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ABSTRACT

As of April 1, 1977, Washington's population was estimated at 3,661,975--an increase of 248,725 since 1970. Prepared yearly, this report presents data on the official April 1 population estimates for cities, towns, and counties; components of population change; planned population forecasting activities; procedures which help make the housing unit method of estimation more accurate; comparative mortality levels for counties; county censuses since 1970; and changes in household size (1970-1977). Data were obtained from city and county officials, Armed Forces personnel at major bases in the State, housing directors of the colleges and universities, and the Department of Social and Health Services. Tabular data cover: the classification of cities and counties by population size; annexations by cities and towns; population for highway urban areas, of the Armed Forces, and of selected ethnic categories--Spanish surnamed, Black, American Indian, Asians; components of population change--1920-1977; general fertility rate; abortions by age group and marital status--1971-1976; live births, illegitimate births, and illegitimacy ratio--1965-1976; induced abortions, live births, and ratio of induced births per 1,000 live births in selected states; marriages and divorces--1960-1976; population and housing units in selected counties; average population per household and family--1940-1977; census and postal survey data for selected cities; and population 65 years and over. (NQ)

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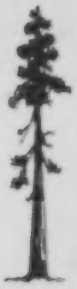

Washington State Information Report

U.S. DEPARTMENT OF HEALTH EDUCATION & WELFARE NATIONAL INSTITUTE OF EDUCATION

STATE OF WASHINGTON

POPULATION TRENDS

1977

POPULATION STUDIES DIVISION
OFFICE OF FISCAL MANAGEMENT

RC010042

STATE OF WASHINGTON
POPULATION TRENDS
1977

OFFICE OF FINANCIAL MANAGEMENT
POPULATION STUDIES DIVISION
AUGUST, 1977

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PREFACE

Population Trends is prepared in order to make frequently requested population information available in one publication. As in prior years, this publication contains our annual Official April 1 population estimates for cities, towns, counties, and the State. Since the Official April 1 population series estimates are not revised on the basis of special census results or other information which becomes available after each estimate date, a revised population series for the State and counties, 1970-1977, is provided for the first time in Table 18. The adoption of this revised series, which has substantially higher state population totals for the 1974 to 1976 period than our published Official April 1 population estimates, is supported by the results of several county censuses as well as Federal Bureau of the Census estimates for Washington State which are controlled to a national total. I anticipate that population estimates for the state and counties will periodically be revised as our estimating technology improves and better data become available.

The special reports section contains articles on population forecasting activities planned by this division, procedures which help make the housing unit method of estimation more accurate, comparative mortality levels for counties, county censuses in Washington since 1970, and changes in household size. These reports should be of value to local officials and other interested persons.

Any comments or suggestions regarding the content or format of this publication are always welcome.

Special acknowledgement is given to the following persons or agencies because of their continued help and cooperation:

The Vital Statistics Section, Department of Social and Health Services, for the provision of residence and provisional vital statistics data; data support and analysis in the Planning and Research Division, Department of Social and Health Services, for the provision of

institutional population counts for cities and unincorporated places; the housing directors of the colleges and universities requested to submit April 1 dormitory population counts; the Armed Forces personnel at major bases in the state who have provided excellent data on current armed forces counts and future expectations; and, all of the city and county officials who have helped in providing data used in the development of our April 1 estimates.

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1977 HIGHLIGHTS

- The April 1, 1977 population of Washington State is estimated at 3,661,975, an increase of 248,725 (7.3%) since 1970.

- A net inmigration of persons to Washington has continued for the fourth year; total net inmigration for the 1973-77 period is estimated at 142,371. This contrasts the estimated net out-migration of 46,714 persons from Washington between 1970 and 1973.

- The number of armed forces personnel in the State, which declined from 60,082 in 1970 to 44,860 in 1973, has increased to 57,560 in 1977. This represents an increase of 12,700 for the 1973-77 period.

- Between 1974 and 1977 Kitsap county had an increase of 7,910 armed forces personnel, from 3,790 in 1974 to 11,700 in 1977. The majority of the military increase of 7,910 is due to an increase of naval personnel aboard ships undergoing repair at the Puget Sound Naval Shipyard.

- In 1977 86 cities and two counties censused to determine their April 1 population. The Population Studies Division staff conducted 10 census training sessions at central locations through the State. These sessions were attended by 140 people representing a total of 28 cities and two counties that intended to census.

- Population of the remaining 179 cities and towns was estimated from information provided by the cities on building permits issued, demolitions, housing units completed, change in house trailers/mobile homes, and utility connections. Population Studies Division staff spent slightly more than 6 man months field checking city estimates and censuses.

- Seattle's April 1, 1977 population is estimated at 500,000, a decline of 30,831 (5.8%) since 1970.

- The 1977 population of both Spokane (174,500), and Tacoma (156,000) show an increase over 1970. Since 1970 Spokane and Tacoma have increased 3,984 and 1,593 respectively.

- Other municipalities showing large increases for the 1970-77 period are Kennewick (8,426); Bellevue (7,304); Redmond (6,737); Yakima (5,512); Richland (4,760); Vancouver (4,641); Lynnwood (4,531); and Bremerton (4,043).

- Total incorporated population of the State increased to 2,043,136 in 1977, an increase of 90,235 (4.6%) since 1970.

- Municipalities annexed 76.3 square miles of land and 24,796 persons between 1970 and 1977 which helped contribute to their growth.

- Cities annexing territory with the most substantial population between 1970 and 1977 were Yakima (2,890), Des Moines (2,490), Kennewick (1,797); Lynnwood (1,780); and Vancouver (1,215).

- The number of people living in unincorporated areas of the State in 1977 was 1,618,839, an increase of 158,490 (10.9%) since 1970.

- The total ethnic population in Washington is estimated at 300,000 as of April 1, 1977. Of this total, 81,600 (27.2%) are black.

- The Spanish surname population in the State in 1977 is estimated at 90,600.

- Blacks and persons of Spanish descent are the largest ethnic groups in Washington and represent, respectively, 2.2% and 2.5% of the total state population.

- Population 65 years and older in Washington is estimated at 382,380 in 1977, an increase of 61,668 (19.2%) since 1970. Persons 65 years and older now represent 10.4% of the total population in the State.

- There were an estimated 54,100 births in Washington between April 1976 and April 1977 compared to 50,900 for the 1975-76 period. This increase represents the fourth year the number of births in the State has increased. The current increase in births is primarily due to an increase in the number of women of childbearing age in Washington, not an increase in birth rates.

- The annual number of abortions in Washington has continued to increase. There were 22,790 abortions recorded in 1976, an increase of 8.7 percent over the previous years total of 20,963.

- Consistent with national trends, the divorce/dissolution rate in Washington is the highest in history- 7.5 per 1,000 population.

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I

1977 POPULATION ESTIMATES

TABLE 1

OFFICIAL APRIL 1, 1977, POPULATION
OF THE
CITIES, TOWNS AND COUNTIES, STATE OF WASHINGTON

*ACTUAL CENSUS

MUNICIPALITY BY COUNTY	1970	1971	1972	1973	1974	1975	1976	1977
ADAMS	12,014	12,200	12,300	12,300	12,300	12,400	13,709*	13,900
UNINCORPORATED	4,968	4,991	4,893	4,901	4,904	4,985	6,240	6,372
INCORPORATED	7,046	7,209	7,407	7,399	7,396	7,415	7,469	7,528
HATTON	88	56	70*	68*	65*	70	74*	71
LIND	622	622	622	622	622	631*	651*	651
OTHELLO	4,172	4,350*	4,534*	4,526*	4,528	4,508*	4,504*	4,570*
RITZVILLE	1,876	1,876	1,876	1,876	1,876	1,881*	1,936*	1,936
WASHTUCNA	316	305*	305	305	305	325*	304*	300
ASOTIN	13,799	13,900	13,900	13,900	14,000	14,300	14,800	15,400
UNINCORPORATED	6,850	6,799	6,777	6,543	6,354	6,600	7,034	7,457
INCORPORATED	6,949	7,101	7,123	7,357	7,646	7,700	7,766	7,943
ASOTIN	637	673*	673	673	846*	825	846	891*
CLARKSTON	6,312	6,428	6,450	6,684	6,800	6,875	6,920	7,050
BENTON	67,540	67,700	67,800	68,200	69,800	73,300	78,700	85,400
UNINCORPORATED	20,871	20,789	20,631	20,025	19,528	20,551	21,257	23,770
INCORPORATED	46,669	46,911	47,169	48,175	50,272	52,749	57,443	61,630
BENTON CITY	1,070	1,093*	1,090	1,100	1,125	1,315*	1,422*	1,583*
KENNEWICK	15,212	15,400	15,580	16,200	16,800	18,253*	21,301*	23,638*
PROSSER	2,954	2,975	2,990	3,050	3,100	3,104*	3,150	3,335
RICHLAND	26,290	26,308	26,350	26,600	28,000	28,600	30,009*	31,050
WEST RICHLAND	1,143	1,143	1,159*	1,225*	1,247*	1,477*	1,561*	2,024*
CHELAN	41,103	41,200	41,300	41,300	41,200	40,900	41,100	41,900
UNINCORPORATED	17,696	17,699	16,997	16,748	16,566	16,519	16,669	17,399
INCORPORATED	23,407	23,501	24,303	24,552	24,634	24,381	24,431	24,501
CASHMERE	1,976	1,976	1,970	1,987	1,987	1,975	1,956*	1,985
CHELAN	2,837	2,837	2,850	2,920	2,950	2,980	2,992	3,000
ENTIAT	360	366	361	373*	375	374*	381	406*
LEAVENWORTH	1,322	1,322	1,322	1,322	1,322	1,322	1,402*	1,410
WENATCHEE	16,912	17,000	17,800	17,950	18,000	17,730	17,700	17,700
CLALLAM	34,770	34,900	35,100	35,200	35,800	37,000	39,800	41,100
UNINCORPORATED	15,174	15,177	14,972	14,747	15,011	16,440	18,836	19,625
INCORPORATED	19,596	19,723	20,128	20,453	20,789	20,560	20,964	21,475
FORKS	1,680	1,713	1,734	1,788	1,867*	1,893	1,949	2,030
PORT ANGELES	16,367	16,450	16,600	16,765	16,600	16,242*	16,506	16,890
SEQUIM	1,549	1,560	1,794	1,900	2,322	2,425	2,510	2,555
CLARK	128,454	130,100	132,800	135,200	140,300	149,000	154,300	164,000
UNINCORPORATED	74,064	74,669	75,929	77,406	80,269	88,806	93,926	103,557
INCORPORATED	54,390	55,431	56,871	57,794	60,031	60,194	60,374	60,443
BATTLE GROUND	1,438	1,533*	1,609*	1,927*	2,029*	2,116*	2,288*	2,429*
CAMAS	5,790	5,825	5,920	5,970	5,990	5,990	5,990	6,010
LACENTER	300	300	300*	384*	412*	420	420	420
RIDGEFIELD	1,004	1,014	1,014	988*	1,000	1,039*	1,026	952*
VANCOUVER	41,859	42,766	44,000	44,400	46,500	46,500	46,500	46,500
WASHOUGAL	3,388	3,394	3,430	3,500	3,475*	3,500	3,530	3,550
WOODLAND (PART)*	123	100	90	88	80	84*	75	71*
YACOLT	488	499*	508*	545*	545	545	545	511*
COLUMBIA	4,439	4,300	4,300	4,300	4,200	4,300	4,500	4,600
UNINCORPORATED	1,627	1,484	1,402	1,375	1,371	1,461	1,647	1,738
INCORPORATED	2,812	2,816	2,898	2,925	2,829	2,839	2,853	2,862
DAYTON	2,596	2,596	2,608*	2,625*	2,625	2,632	2,646*	2,650
STARBUCK	216	220	290	300	204*	207*	207	212*
COWLITZ	68,616	69,600	69,800	69,900	70,600	70,700	71,600	73,200
UNINCORPORATED	25,695	26,443	26,089	25,587	26,525	26,407	26,468	27,537
INCORPORATED	42,921	43,157	43,711	44,313	44,075	44,293	45,132	45,663
CASTLE ROCK	1,647	1,680	1,730	1,830	1,890*	1,890	1,965	1,992*
KALAMA	1,106	1,120*	1,120	1,120	1,037	1,035	1,052*	1,130
KELSO	10,296	10,300	10,387	10,410	10,400	10,400	10,500	10,600
LONGVIEW	28,373	28,400	28,800	29,200	28,900	29,049*	29,550	29,830
WOODLAND (PART)*	1,499	1,657	1,674	1,753	1,848	1,919*	2,065	2,111*
DOUGLAS	16,787	17,100	17,300	17,500	17,700	18,100	19,000	20,100
UNINCORPORATED	13,288	13,262	13,421	13,669	13,800	14,109	14,092	14,906
INCORPORATED	3,499	3,838	3,879	3,831	3,900	3,991	4,908	5,194
BRIDGEPORT	952	1,065*	1,060	1,060	1,060	1,050	1,480	1,623*
COULEE DAM (PART)*	249	278	293	293	269	289	285	281*
EAST WENATCHEE	913	1,027*	1,033	1,003	1,045	1,130	1,528	1,600
MANSFIELD	273	302*	303	303	347*	345	375*	375
ROCK ISLAND	193	193*	217*	222*	239*	247*	310*	370*
WATERVILLE	919	973*	973	950	940	930	930	945
FERRY	3,655	3,600	3,600	3,600	3,600	4,200	4,300	5,147*
UNINCORPORATED	2,793	2,735	2,674	2,636	2,608	3,175	3,205	4,094
INCORPORATED	862	865	926	964	992	1,025	1,095	1,053
REPUBLIC	862	865	926	964*	992*	1,025	1,095	1,053*
FRANKLIN	25,816	26,000	26,000	26,000	26,200	26,700	27,500	29,200
UNINCORPORATED	10,153	10,267	10,128	9,997	9,958	10,091	10,510	11,300
INCORPORATED	15,663	15,733	15,872	16,003	16,242	16,609	16,990	17,900
CONNELL	1,161	1,290*	1,348*	1,388*	1,377*	1,676*	1,780*	1,904*
KAHLOTUS	308	250	250	285*	285	203	194*	221*
MESA	274	273	276	280	280	280	398*	400
PASCO	13,920	13,920	14,000	14,050	14,100	14,450	14,618*	15,375

OFFICIAL APRIL 1, 1977, POPULATION
OF THE
CITIES, TOWNS AND COUNTIES, STATE OF WASHINGTON

ACTUAL CENSUS

MUNICIPALITY BY COUNTY	1970	1971	1972	1973	1974	1975	1976	1977
GARFIELD	2,911	2,900	2,900	2,900	2,800	2,800	2,900	2,900
UNINCORPORATED	1,088	1,060	1,000	1,035	959	960	1,040	1,015
INCORPORATED	1,823	1,840	1,900	1,865	1,841	1,840	1,860	1,885
POMEROY	1,823	1,840	1,900	1,865	1,841	1,840	1,860	1,885
GRANT	41,881	42,800	43,300	43,300	43,000	42,700	43,900	45,500
UNINCORPORATED	16,629	17,022	17,497	17,720	17,319	17,031	17,827	18,794
INCORPORATED	25,252	25,778	25,803	25,580	25,681	25,669	26,073	26,706
COULEE CITY	558	571*	572*	588*	559*	568*	565*	602*
COULEE DAM (PART)[1]	8	6	8	8	6	6	5	3*
ELECTRIC CITY	651	750	865*	864*	864	864	851*	85[illegible]
EPHRATA	5,255	5,255	5,150	5,150	5,150	5,140*	5,230	5,320*
GEORGE	273	273	273	275	275	272*	272	275
GRAND COULEE	1,302	1,543*	1,525	1,525	1,400	1,400	1,380	1,375
HARTLINE	189	172	183*	176*	180	172*	177	175
KRUPP	52	62*	62	77*	75	70	94*	95
MATTAWA	180	150	169*	153*	203	244*	231*	255*
MOSES LAKE[1]	10,310	10,253*	10,280	10,200	10,300	10,300	10,165*	10,475
QUINCY	3,237	3,237	3,237	3,240	3,240	3,210	3,309*	3,340
ROYAL CITY	477	600	600	600	654*	633*	714*	732*
SOAP LAKE	1,064	1,064	1,064	1,206*	1,206	1,200	1,396*	1,400
WARDEN	1,254	1,369*	1,359*	1,312*	1,366*	1,400	1,494*	1,592*
WESTLAKE[1]	258	258	250					
WILSON CREEK	184	215	206*	206	203	190	190	212*
GRAYS HARBOR	59,553	60,000	60,000	60,100	60,100	60,200	60,500	61,400
UNINCORPORATED	20,836	20,358	20,475	20,556	20,874	21,038	19,772	20,528
INCORPORATED	38,717	39,642	39,525	39,544	39,226	39,162	40,728	40,872
ABERDEEN	18,489	18,489	18,400	18,430	18,100	18,067*	18,980	18,900
COSMOPOLIS	1,599	1,600	1,600	1,600	1,597*	1,600	1,600	1,590
ELMA	2,227	2,227	2,300	2,375	2,435	2,470	2,470	2,452*
HOQUIAM	10,466	10,430	10,300	10,250	10,100	10,054	10,445	10,430
MCCLEARY	1,265	1,324*	1,324	1,313*	1,313	1,275	1,312*	1,315
MONTESANO	2,847	2,847	2,850	2,775	2,775	2,790	2,790	2,790
OAKVILLE	460	443	460	490	503*	503	574*	585
OCEAN SHORES[1]		918*	909*	909	1,021*	1,021	1,021	1,280*
WESTPORT	1,364	1,364	1,382	1,382	1,382	1,382	1,536*	1,530
ISLAND	27,011	27,700	27,900	28,200	28,600	30,000	33,500	37,528*
UNINCORPORATED	16,594	17,271	16,333	16,378	16,396	17,656	20,737	24,375
INCORPORATED	10,417	10,429	11,567	11,822	12,204	12,344	12,763	13,153
COUPEVILLE	703	703	742*	812*	889*	870*	902*	924*
LANGLEY	547	523	525	565*	595*	574*	590*	611*
OAK HARBOR	9,167	9,203*	10,300	10,445*	10,720	10,900	11,271*	11,618*
JEFFERSON	10,661	10,700	10,600	10,600	10,600	11,100	11,800	12,600
UNINCORPORATED	5,420	5,459	5,450	5,400	5,370	5,715	6,300	6,945
INCORPORATED	5,241	5,241	5,150	5,200	5,230	5,385	5,500	5,655
PORT TOWNSEND	5,241	5,241	5,150	5,200	5,230	5,385*	5,500	5,655
KING	1,159,375	1,158,200	1,146,000	1,143,800	1,146,200	1,148,000	1,155,700	1,164,400
UNINCORPORATED	411,750	413,169	409,190	405,798	413,640	413,260	417,500	423,640
INCORPORATED	747,625	745,031	736,810	738,002	732,560	734,740	738,200	740,760
ALGONA	1,276	1,230	1,230	968*	1,000	995	1,030	1,047
AUBURN	21,653	21,706	23,000	21,256*	21,600	22,300	22,600	23,055*
BEAUX ARTS	475	378	350*	362*	372*	372	372	355*
BELLEVUE	61,196	63,000	62,343*	63,000	63,940	66,000	67,000	68,500
BLACK DIAMOND	1,160	1,164	1,164	1,164	1,000	1,000	1,050	1,080
BOTHELL	4,979	5,386*	5,423*	5,550*	5,755*	5,885	6,036*	6,295*
CARNATION	530	572*	572	600*	600	600*	600	639*
CLYDE HILL	3,150	3,018*	3,026	3,113*	3,160	3,185	3,185	3,073*
DES MOINES	3,951	4,752	4,908	4,699*	4,897	6,250	6,460	6,730
DUVALL	607	575	560	590	600	553*	550	600
ENUMCLAW	4,703	4,900	4,963	4,599*	4,600	4,600	4,800	4,710*
HUNTS POINT	578	578	578	467*	467	480*	480	464*
ISSAQUAH	4,341	4,435*	4,395	4,539*	4,706*	4,750*	4,850*	5,078*
KENT	16,596	16,805*	16,940*	16,965*	17,000	16,928*	17,500	18,250
KIRKLAND	15,070	15,100	15,100	15,100	14,850	14,950	15,100	15,350
LAKE FOREST PARK	2,539	2,545	2,545	2,545	2,550	2,550	2,500	2,500
MEDINA	3,455	3,455	3,475	3,460	3,480	3,241*	3,270	3,280
MERCER ISLAND	19,819	19,800	20,300	21,000	20,032*	20,500	20,800	21,350
MILTON (PART)[1]	7	7	7	11	11	24	24	26
NORMANDY PARK	4,202	4,240	4,245	4,280	4,330	4,330	4,351	4,500
NORTH BEND	1,625	1,631	1,650	1,650	1,650	1,650	1,665	1,665
PACIFIC	1,831	1,730	1,700	1,650	1,650	1,601*	1,665	1,710
REDMOND	11,020	11,634*	12,150	13,134*	13,955*	15,217*	16,445*	17,757*
RENTON	25,878	25,578	25,200	26,250	27,300	27,300	26,500	27,150
SEATTLE	530,831	525,000	515,000	515,000	507,000	503,500	503,500	500,000
SKYKOMISH	283	283	283	283	283	280	290	280
SNOQUALMIE	1,260	1,260	1,260	1,260	1,260	1,260	1,210	1,210
TUKWILA	3,509	3,150*	3,317*	3,420	3,416	3,370	3,300	3,037*
YARROW POINT	1,131	1,119*	1,126*	1,107	1,096*	1,069*	1,067*	1,069*
KITSAP[2]	101,732	106,200	101,600	103,100	104,300	116,090*	118,600	126,300
UNINCORPORATED	59,131	59,333	59,310	59,337	61,054	70,668	71,976	77,882
INCORPORATED	42,601	46,867	42,290	43,763	43,246	45,422	46,624	48,418
BREMERTON[2]	35,337	39,400	34,750	35,975	35,260	37,132*	37,900	39,350
PORT ORCHARD	3,904	3,900	3,940	4,030	4,072	4,065*	4,248*	4,280
POULSBO	1,861	1,962*	1,939*	2,010*	2,104*	2,415*	2,660*	2,834*
WINSLOW	1,529	1,605*	1,661*	1,748*	1,810*	1,810*	1,816*	1,954*

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KITTITAS	25,039	25,400	25,500	25,200	25,100	25,300	25,500	25,600
UNINCORPORATED	7,704	7,625	7,429	7,579	7,639	7,634	8,435	8,699
INCORPORATED	17,335	17,775	18,071	17,621	17,461	17,666	17,065	16,901
CLE ELUM	1,725	1,725	1,725	1,725	1,725	1,710*	1,725	1,725
ELLENSBURG	13,568	14,000	14,126	13,690	13,530	13,806	13,200	13,000
KITTITAS	637	645	784*	784	784	760	750	753*
ROSLYN	1,031	1,031	1,031	1,031	1,031	1,000	1,000	1,015
SOUTH CLE ELUM	374	374	405	391*	391	390	390	408*
KLICKITAT	12,138	12,700	12,900	12,900	12,800	13,000	13,200	13,900
UNINCORPORATED	7,398	7,369	7,320	7,316	7,161	7,453	7,596	8,159
INCORPORATED	4,740	5,331	5,580	5,584	5,639	5,547	5,604	5,741
BINGEN	671	726*	750*	714*	720	666*	709*	716*
GOLDENDALE	2,494	2,965*	3,160	3,200	3,249*	3,275	3,290	3,310
WHITE SALMON	1,585	1,640	1,670	1,670	1,670	1,606*	1,604	1,715
LEWIS	45,427	45,800	46,000	46,400	46,400	47,100	48,600	50,000
UNINCORPORATED	25,253	25,384	25,423	25,517	25,272	25,734	27,048	28,924
INCORPORATED	20,214	20,416	20,577	20,883	21,128	21,366	21,552	21,676
CENTRALIA	10,054	10,207	10,300	10,300	10,300	10,415	10,582*	10,710
CHEHALIS	5,727	5,727	5,750	5,900	5,900	5,900	5,940	5,900
MORTON	1,134	1,231*	1,250	1,266	1,409*	1,410	1,410	1,400
MOSSYROCK	409	409	409	443*	443	451*	420	466*
NAPAVINE	377	377	377	419*	460*	534*	534	537*
PE ELL	582	540	553	553	600	660	630	615
TOLEDO	654	639*	642*	633*	639*	622*	635*	648*
VADER	387	390	396	396	399*	400	420	410
WINLOCK	890	896*	900	974*	978	974	981*	990
LINCOLN	9,572	9,500	9,400	9,400	9,300	9,300	9,500	9,800
UNINCORPORATED	3,932	3,843	3,632	3,546	3,416	3,361	3,539	3,794
INCORPORATED	5,640	5,657	5,768	5,854	5,884	5,939	5,962	6,006
ALMIRA	376	380	380	405*	405	410	410	410
CRESTON	325	325	342*	356*	350	350	350	350
DAVENPORT	1,363	1,363	1,362	1,370	1,370	1,450	1,440	1,471*
HARRINGTON	499	480	485	490	490	490	505*	505
ODESSA	1,074	1,074	1,090	1,130	1,130	1,100	1,104*	1,105
REARDAN	389	401*	432*	425	461*	461	509*	510
SPRAGUE	550	550	536	538	538	538	545	555
WILBUR	1,074	1,084	1,140	1,140	1,140	1,140	1,100*	1,100
MASON	20,918	21,100	21,200	21,500	21,500	22,200	24,300	24,600
UNINCORPORATED	14,403	14,500	14,480	14,600	14,600	15,722	17,820	17,950
INCORPORATED	6,515	6,600	6,720	6,900	6,900	6,478	6,480	6,650
SHELTON	6,515	6,600	6,720	6,900	6,900	6,478*	6,480	6,650
OKANOGAN	25,867	26,200	26,400	26,500	26,400	26,500	26,900	27,800
UNINCORPORATED	12,326	12,120	12,091	12,047	12,051	12,118	12,342	13,231
INCORPORATED	13,541	14,080	14,319	14,453	14,349	14,382	14,558	14,569
BREWSTER	1,059	1,176*	1,150	1,148*	1,143	1,120	1,343*	1,471*
CONCONULLY	122	125	125	135	135	140	172*	172
COULEE DAM (PART)	1,231	1,420	1,417	1,351	1,272	1,241	1,216	1,233*
ELMER CITY	324	340	389*	399*	363	373*	342	350
NESPELEM	323	330	330	335	335	335	340	340
OKANOGAN	2,015	2,068*	2,170	2,225	2,207*	2,225	2,242	2,250*
OMAK	4,164	4,250	4,300	4,400	4,425	4,440	4,400	4,126*
OROVILLE	1,555	1,555	1,555	1,555	1,555	1,555	1,560	1,565
PATEROS	472	486	520	530	530	545*	540	589*
RIVERSIDE	228	248	255*	255	255	265*	265	260
TWISP	756	777*	777	777	750*	750	745	818*
TONASKET	951	965	955	970	985	985	985	985
WINTHROP	371	340	376*	379*	396*	408*	408	410
PACIFIC	15,796	15,800	15,800	15,800	15,800	15,900	15,800	16,000
UNINCORPORATED	9,431	9,392	9,407	9,233	9,226	9,441	9,338	9,431
INCORPORATED	6,395	6,408	6,393	6,567	6,574	6,459	6,462	6,569
ILWACO	506	510	510	543*	550	550	550	577*
LONG BEACH	968	968	968	1,059*	1,059	1,059	1,059	1,100
RAYMOND	3,126	3,130	3,115	3,115	3,115	3,050	3,050	3,087*
SOUTH BEND	1,795	1,800	1,800	1,850	1,850	1,800	1,803*	1,805
PEND OREILLE	6,025	6,000	6,000	6,000	6,000	6,500	6,900	8,000
UNINCORPORATED	3,271	3,255	3,223	3,174	3,134	3,592	3,940	5,055
INCORPORATED	2,754	2,745	2,777	2,826	2,866	2,908	2,960	2,945
CUSICK	257	250	250	250	271*	271	271	265
IONE	529	529	530	530	530	530	560*	560
METALINE	197	214	208	220	220	225	225	225
METALINE FALLS	307	300	315*	315	320	350	370	360
NEWPORT	1,464	1,452*	1,476*	1,511*	1,525*	1,532*	1,534*	1,535
PIERCE	412,344	410,800	404,800	404,300	411,000	413,500	420,700	422,400
UNINCORPORATED	213,634	211,019	204,244	203,672	208,265	209,955	215,832	217,146
INCORPORATED	198,710	199,781	200,556	200,628	202,735	203,545	204,868	205,254
BONNEY LAKE	2,720	2,838	2,900	2,824*	3,100*	3,516	4,187*	4,380*
BUCKLEY	3,446	3,300	3,300	3,165	3,100	3,132*	3,085	3,030
CARBONADO	394	394*	390	390	419*	413	396*	395
DU PONT	394	340*	384*	384	384	498*	495	495
EATONVILLE	852	860	860	860	902*	910	929	940
FIFE	1,458	1,423*	1,423	1,339*	1,339	1,339	1,619*	1,710
FIRCREST	5,651	5,700	5,716	5,750	5,870	5,880	5,800	5,700
GIG HARBOR	1,666	1,666	1,595*	1,577*	1,603*	1,625	1,746*	2,001*

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PIERCE (CONT)								
MILTON (PART)[7]	2,630	2,617	2,617	2,613	2,613	2,576	2,626	2,624
ORTING	1,643	1,643	1,643	1,643	1,630	1,630	1,654*	1,680
PUYALLUP	14,742	15,000	15,100	15,200	15,665	15,600	15,500	15,750
ROY	381	389*	381*	364*	381*	393*	393*	392*
RUSTON	688	686	688	680	662*	670	676	675
SOUTH PRAIRIE	206	215	217	217	217	217	210	210
STEILACOOM	2,850	3,064	3,200	3,500	3,700	3,930	4,450	4,600
SUMNER	4,325	4,325	4,325	4,325	4,385	4,440	4,279	4,400
TACOMA	154,407	155,000	155,500	155,500	156,500	156,500	156,500	156,000
WILKESON	317	317	317	297*	285*	276	277	272*
SAN JUAN[8]	3,856	3,900	3,900	4,000	4,000	4,500	5,700	6,100
UNINCORPORATED	3,053	3,097	3,085	3,111	3,105	3,575	4,730	5,076
INCORPORATED	803	803	815	889	895	925	970	1,024
FRIDAY HARBOR	803	803	815	889*	895	925	970	1,024*
SKAGIT	52,381	52,700	52,900	53,000	53,000	53,400	54,100	56,000
UNINCORPORATED	26,403	26,458	26,185	26,080	25,775	25,057	24,356	26,376
INCORPORATED	25,978	26,242	26,715	26,920	27,225	28,343	28,744	29,626
ANACORTES	7,701	7,760	7,790	7,800	7,810	7,940	8,010	8,200
BURLINGTON	3,138	3,337*	3,400	3,400	3,369*	3,613	3,400	3,368*
CONCRETE	573	573	570	570	570	590	590	590
HAMILTON	201	191*	198*	196*	199*	236*	223*	224*
LA CONNER	639	640	640	660*	660	643*	636*	650
LYMAN	324	317	317	317	317	320	225	313*
MOUNT VERNON	8,804	8,804	8,900	9,000	9,270	10,021*	10,300	11,021*
SEDRO WOOLLEY	4,598	4,620	4,900	4,977	5,050	5,180	5,260	5,260
SKAMANIA	5,845	5,900	5,900	5,900	5,900	5,900	5,800	6,100
UNINCORPORATED	4,470	4,504	4,505	4,546	4,526	4,519	4,483	4,810
INCORPORATED	1,375	1,396	1,395	1,354	1,374	1,381	1,317	1,290
NORTH BONNEVILLE	459	470	469*	480	500	477*	387*	327*
STEVENSON	916	926*	926	874*	874	904*	930	963*
SNOHOMISH	265,236	265,600	265,900	265,600	267,100	268,000	270,100	278,200
UNINCORPORATED	127,952	127,990	128,040	126,140	127,147	127,390	129,736	135,715
INCORPORATED	137,284	137,610	137,860	139,460	139,953	140,610	140,364	142,485
ARLINGTON	2,261	2,261	2,220	2,250	2,290	2,350	2,675	2,675
BRIER	3,093	3,093	3,093	3,050	3,030	3,000	3,000	3,000
DARRINGTON	1,094	1,120	1,156	1,160	1,046	1,098*	1,058	1,031*
EDMONDS	23,998	24,000	24,125	24,600	25,110	25,650	25,039*	26,115
EVERETT	53,622	54,000	53,940	53,400	53,225	53,200	52,500	51,700
GOLD BAR	504	504	504	504	501*	500	540	570
GRANITE FALLS	813	793	810	795	795	792	795	795
INDEX	169	169	168	172	171	170	173	171
LAKE STEVENS	1,283	1,283	1,283	1,270	1,270	1,191*	1,185	1,209*
LYNNWOOD	16,919	17,371*	17,500	19,125*	19,431*	19,672*	20,150	21,450
MARYSVILLE	4,343	4,300	4,220	4,220	4,220	4,190	4,570	4,720
MONROE	2,687	2,700	2,700	2,700	2,705	2,686*	2,695	2,725
MOUNTLAKE TERRACE	16,600	16,538	18,625	16,725	16,750	16,750	16,400	16,550
MUKILTEO	1,369	1,360	1,390	1,390	1,400	1,320*	1,320	1,360
SNOHOMISH	5,174	4,753*	4,753	4,753	4,652*	4,665	4,795*	4,935
STANWOOD	1,357	1,352*	1,380	1,359*	1,360	1,417*	1,463*	1,463*
SULTAN	1,119	1,150	1,150	1,150	1,150	1,150	1,156	1,195
WOODWAY	879	863*	843*	837*	847*	849*	852*	822*
SPOKANE	287,487	290,800	293,100	295,000	296,500	298,000	300,600	308,200
UNINCORPORATED	102,083	104,649	104,993	106,864	106,639	107,421	109,896	117,502
INCORPORATED	185,404	186,151	188,107	188,136	189,861	190,579	190,704	190,698
AIRWAY HEIGHTS	744	875	1,090	1,015*	1,232*	1,350	1,350	1,300
CHENEY	6,358	6,500	6,600	6,718*	6,718	6,589*	6,637	6,685
DEER PARK	1,295	1,300	1,350	1,370	1,460	1,473	1,558*	1,650
FAIRFIELD	469	500*	514	479*	490	505*	488	499*
LATAH	169	168	159	160	160	162	146	146
MEDICAL LAKE	3,529	3,400	3,588*	3,525	3,365	3,477*	3,505	3,500
MILLWOOD	1,770	1,790	1,800	1,838*	1,838	1,838	1,838	1,713*
ROCKFORD	327	350	350	367	367	415*	415	425
SPANGLE	179	212	197	200	200	203	198	211
SPOKANE	170,516	171,000	172,400	172,400	174,000	174,500	174,500	174,500
WAVERLY	48	56	59	64	61*	67	69*	69
STEVENS[10]	17,405	17,400	17,400	17,500	17,600	19,000	22,900	24,300
UNINCORPORATED	10,564	10,415	10,296	10,118	10,098	11,374	14,965	16,321
INCORPORATED	6,841	6,985	7,104	7,382	7,502	7,626	7,935	7,979
CHEWELAH	1,365	1,431*	1,511*	1,578*	1,592*	1,692*	1,780*	1,810
COLVILLE	3,742	3,834	3,880	4,050	4,135	4,135	4,350	4,347
KETTLE FALLS	920	923*	923	923	962*	962	975	975
MARCUS	148	155	150	142	142	142	169	170
NORTHPORT	451	427*	415*	449*	431*	456*	429	447*
SPRINGDALE	215	215	225	240	240	239*	232	230
THURSTON	76,894	78,700	80,500	81,300	83,900	85,900	94,300	101,000
UNINCORPORATED	36,132	37,151	37,902	38,625	39,459	40,076	47,925	54,556
INCORPORATED	40,762	41,549	42,598	42,675	44,441	45,824	46,375	46,444
BUCODA	421	425	435	427	469*	490	500	475
LACEY	9,696	9,880	10,300	10,100	10,733*	11,724	11,860	11,807*
OLYMPIA	23,296	23,800	24,000	24,200	25,090	25,250	25,480	25,520
RAINIER	392	390	421*	548*	633*	690*	727*	763*

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THURSTON (CONT)								
TENINO	962	962	1,140	1,040*	1,130*	1,160	1,174*	1,179*
TUMWATER	5,373	5,460	5,670	5,720	5,768*	5,820	5,894	5,960*
YELM	632	632	632	632	700	690	740	740
WAHKIAKUM	3,592	3,600	3,600	3,600	3,500	3,500	3,682*	3,800
UNINCORPORATED	2,945	2,948	2,954	2,954	2,854	2,860	3,051	3,170
INCORPORATED	647	652	646	646	646	640	631	630
CATHLAMET	647	652	646	646	646	640	631*	630
WALLA WALLA	42,176	42,100	42,000	42,100	42,000	42,200	43,000	43,800
UNINCORPORATED	12,852	12,713	12,878	12,727	12,482	12,329	12,660	12,943
INCORPORATED	29,324	29,387	29,122	29,373	29,518	29,871	30,340	30,857
COLLEGE PLACE	4,510	4,590	4,588*	4,623	4,837	4,899*	5,120	5,215
PRESCOTT	242	267*	259*	305*	226*	266*	305*	267*
WAITSBURG	953	953	975	995	1,005	1,053*	1,075	1,075
WALLA WALLA	23,619	23,577	23,300	23,450	23,450	23,653*	23,840	24,300
WHATCOM	81,983	83,800	85,000	85,000	85,200	86,200	90,000	93,600
UNINCORPORATED	34,004	35,004	35,110	35,295	34,557	34,658	37,156	39,367
INCORPORATED	47,979	48,796	49,890	49,705	50,643	51,542	52,844	54,233
BELLINGHAM	39,375	39,700	40,500	40,200	40,500	41,000	42,100	43,160
BLAINE	1,955	2,000	2,000	2,050	2,120	2,240	2,265	2,360
EVERSON	633	670*	675	680	690	700	730	755
FERNDALE	2,164	2,500	2,740	2,800	2,927*	3,030	3,100	3,180
LYNDEN	2,808	2,850	2,900	2,950	3,360	3,525	3,540	3,655
NOOKSACK	322	352*	352	352	352	353	413*	415
SUMAS	722	724*	723*	673*	694*	694*	696*	708*
WHITMAN	37,900	38,000	38,900	38,700	38,600	38,700	40,500	41,900
UNINCORPORATED	8,288	6,972	6,990	6,241	6,058	6,179	7,682	9,167
INCORPORATED	29,612	31,028	31,910	32,459	32,542	32,521	32,818	32,733
ALBION	697	650*	662*	613*	600	600	600	600
COLFAX	2,664	2,640	2,684	2,750	2,700	2,700	2,700	2,700
COLTON	279	310	317*	314*	283*	272*	311*	295*
ENDICOTT	333	342*	342	359*	362*	374*	370*	350*
FARMINGTON	140	142*	142*	156*	156	156	156	150
GARFIELD	610	614*	614	649*	649	650	655	650
LA CROSSE	426	410	412*	395*	407*	422*	398*	386*
LAMONT	88	88	88	77	83	85	98	100
MALDEN	219	220	220	230	229*	227	211*	220
OAKESDALE	447	447	447	447	445	447	447	440
PALOUSE	948	973	1,046*	1,046	1,020	970*	970	970
PULLMAN	20,509	21,919*	22,600	23,000	23,200	23,259*	23,500	23,500
ROSALIA	569	602*	600	600	600	600	600	575
SAINT JOHN	575	557*	563*	550*	573*	539*	557*	577*
TEKOA	808	808	808	911*	900	920	920	920
UNIONTOWN	310	310	345	362	335	380	325	300
YAKIMA	145,212	145,200	145,200	145,200	145,200	147,600	153,300	155,700
UNINCORPORATED	69,654	68,955	68,455	68,227	66,973	68,047	70,689	70,515
INCORPORATED	75,558	76,245	76,745	76,973	78,227	79,553	82,611	85,185
GRANDVIEW	3,605	3,683	3,708	3,735	3,820	4,049*	4,326	4,400
GRANGER	1,567	1,536	1,538	1,550	1,500	1,562*	1,640	1,630
HARRAH	305	304	336*	336	354*	350	350	350
MABTON	926	938	1,052*	1,056*	1,056	1,059*	1,059	1,108*
MOXEE CITY	600	600	610	630	717	800	800	800
NACHES	666	666	666	676*	700	700	700	700
SELAH	3,311	3,301	3,440	3,438*	3,460	3,637*	3,650	3,800
SUNNYSIDE	6,751	6,840	6,910	7,115	7,150	7,250	7,440	7,600
TIETON	476	476	470	443*	475*	485	486*	517*
TOPPENISH	5,744	5,826	5,850	5,880	5,909*	6,000	6,050	6,100
UNION GAP	2,040	2,075	2,100	2,024*	2,521	2,571	2,630	2,630
WAPATO	2,841	3,000	3,015	3,015	3,000	3,050	3,060	3,060
YAKIMA	45,588	45,850	45,875	45,875	46,300	46,750	49,100	51,100
ZILLAH	1,138	1,150	1,175	1,200	1,265	1,290	1,320	1,390
STATE TOTAL	3,413,250	3,430,100	3,418,800	3,424,300	3,448,100	3,493,990	3,571,591	3,661,975
UNINCORPORATED	1,460,349	1,463,350	1,451,800	1,447,470	1,462,943	1,493,967	1,549,254	1,618,839
INCORPORATED	1,952,901	1,966,750	1,967,000	1,976,830	1,985,157	2,000,023	2,022,337	2,043,136

FOOTNOTES:

[1] Official estimates are published annually and are developed from the best data available at the time of the estimate date. Annual estimates in this official series are not revised on the basis of special censuses or other information that becomes available after the estimate date. Attempting to use these official estimates to determine annual change for a specific city or county could result in misleading conclusions. There are, however, Revised county estimates in Table 18 that utilize special censuses and other information that better reflect annual changes.

[2] Woodland is situated in two counties - Clark and Cowlitz. Only the portion of the town that is in each county appears in this report: The total population for Woodland in 1977 is 2,182.

[3] The population of Cowlitz county as counted in the Spetember 13, 1973 special census was 70,408. The 1974 estimate reflects this count.

[4] Coulee Dam is situated in three counties - Douglas, Grant, and Okanogan. Only the portion of the city that is in each county appears in this report: The total population for Coulee Dam in 1977 is 1,517.

[5] Westlake was annexed by Moses Lake.

[6] Ocean Shores incorporated November 18, 1970.

[7] Milton is situated in two counties - King and Pierce. Only the estimated portion of the town that is in each county appears in the report: The total population for Milton in 1977 is estimated at 2,650.

[8] Estimates for Bremerton and Kitsap county include population on non-homeported naval ships docked at the Puget Sound Naval Shipyard on April 1. The 1970 federal census did not allocate this population to Bremerton, Kitsap county, or the State of Washington.

[9] The population of San Juan county as counted in the September 22, 1975 special census was 5,493. The 1976 estimate reflects this count.

[10] The population of Stevens county as counted in the September 25, 1975 special census was 22,708. The 1976 estimate reflects this count.

TABLE 2

CLASSIFICATION OF CITIES BY POPULATION SIZE[1]
STATE OF WASHINGTON

Classification	Population
First Class	*20,000 or more
Second Class	*10,000 or more
Third Class	*At least 1,500
Fourth Class	**Not less than 300

[1] R.C.W. 35.01.040

* At time of its organization or reorganization.

** At time of its organization.

TABLE 3

CLASSIFICATION OF COUNTIES BY POPULATION SIZE[2]
STATE OF WASHINGTON

Classification	Population
Class AA	500,000 or more
Class A	210,000 or more
First Class	125,000 - 209,999
Second Class	70,000 - 124,999
Third Class	40,000 - 69,999
Fourth Class	18,000 - 39,999
Fifth Class	12,000 - 17,999
Sixth Class	8,000 - 11,999
Seventh Class	5,000 - 7,999
Eighth Class	3,300 - 4,999
Ninth Class	Under 3,299

[2] R.C.W. 36.13.010

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TABLE 4

OFFICIAL APRIL 1, 1977, POPULATION OF THE CITIES, STATE OF WASHINGTON

*ACTUAL CENSUS

CITY	County	POPULATION 1977	CITY	County	POPULATION 1977
ABERDEEN	GRAYS HARBOR	18,900	GARFIELD	WHITMAN	650
AIRWAY HEIGHTS	SPOKANE	1,300	GEORGE	GRANT	275
ALBION	WHITMAN	600	GIG HARBOR	PIERCE	2,681*
ALGONA	KING	1,647	GOLD BAR	SNOHOMISH	570
ALMIRA	LINCOLN	410	GOLDENDALE	KLICKITAT	3,310
ANACORTES	SKAGIT	8,200	GRAND COULEE	GRANT	1,375
ARLINGTON	SNOHOMISH	2,675	GRANDVIEW	YAKIMA	4,400
ASOTIN	ASOTIN	883*	GRANGER	YAKIMA	1,630
AUBURN	KING	23,655*	GRANITE FALLS	SNOHOMISH	795
BATTLE GROUND	CLARK	2,679*	HAMILTON	SKAGIT	224*
BEAUX ARTS	KING	355*	HARRAH	YAKIMA	350
BELLEVUE	KING	68,500	HARRINGTON	LINCOLN	509
BELLINGHAM	WHATCOM	43,160	HARTLINE	GRANT	175
BENTON CITY	BENTON	1,583*	HATTON	ADAMS	71
BINGEN	KLICKITAT	716*	HOQUIAM	GRAYS HARBOR	10,430
BLACK DIAMOND	KING	1,080	HUNTS POINT	KING	466*
BLAINE	WHATCOM	2,360	ILWACO	PACIFIC	577*
BONNEY LAKE	PIERCE	4,398*	INDEX	SNOHOMISH	171
BOTHELL	KING	6,295*	IONE	PEND OREILLE	560
BREMERTON	KITSAP	39,350	ISSAQUAH	KING	5,078*
BREWSTER	OKANOGAN	1,471*	KAMLOTUS	FRANKLIN	221*
BRIDGEPORT	DOUGLAS	1,623*	KALAMA	COWLITZ	1,130
BRIER	SNOHOMISH	1,800	KELSO	COWLITZ	10,600
BUCKLEY	PIERCE	1,530	KENNEWICK	BENTON	23,630*
BUCODA	THURSTON	475	KENT	KING	18,250
BURLINGTON	SKAGIT	3,368*	KETTLE FALLS	STEVENS	975
CAMAS	CLARK	6,810	KIRKLAND	KING	15,350
CARBONADO	PIERCE	395	KITTITAS	KITTITAS	753*
CARNATION	KING	630*	KRUPP	GRANT	95
CASHMERE	CHELAN	1,985	LA CONNER	SKAGIT	650
CASTLE ROCK	COWLITZ	1,902*	LA CROSSE	WHITMAN	306*
CATHLAMET	WAHKIAKUM	630	LACENTER	CLARK	420
CENTRALIA	LEWIS	10,710	LACEY	THURSTON	11,807*
CHEHALIS	LEWIS	5,900	LAKE FOREST PARK	KING	2,500
CHELAN	CHELAN	3,000	LAKE STEVENS	SNOHOMISH	1,208*
CHENEY	SPOKANE	6,685	LAMONT	WHITMAN	100
CHEWELAH	STEVENS	1,810	LANGLEY	ISLAND	611*
CLARKSTON	ASOTIN	7,050	LATAH	SPOKANE	146
CLE ELUM	KITTITAS	1,725	LEAVENWORTH	CHELAN	1,610
CLYDE HILL	KING	3,073*	LIND	ADAMS	651
COLFAX	WHITMAN	2,700	LONG BEACH	PACIFIC	1,100
COLLEGE PLACE	WALLA WALLA	5,215	LONGVIEW	COWLITZ	29,830
COLTON	WHITMAN	295*	LYMAN	SKAGIT	313*
COLVILLE	STEVENS	4,367	LYNDEN	WHATCOM	3,655
CONCONULLY	OKANOGAN	172	LYNNWOOD	SNOHOMISH	21,450
CONCRETE	SKAGIT	598	MABTON	YAKIMA	1,108*
CONNELL	FRANKLIN	1,984*	MALDEN	WHITMAN	220
COSMOPOLIS	GRAYS HARBOR	1,598	MANSFIELD	DOUGLAS	375
COULEE CITY	GRANT	602*	MARCUS	STEVENS	170
COULEE DAM	OKANOGAN	1,517*	MARYSVILLE	SNOHOMISH	4,720
COUPEVILLE	ISLAND	924*	MATTAWA	GRANT	255*
CRESTON	LINCOLN	350	MCCLEARY	GRAYS HARBOR	1,315
CUSICK	PEND OREILLE	265	MEDICAL LAKE	SPOKANE	3,500
DARRINGTON	SNOHOMISH	1,031*	MEDINA	KING	3,288
DAVENPORT	LINCOLN	1,471*	MERCER ISLAND	KING	21,350
DAYTON	COLUMBIA	2,650	MESA	FRANKLIN	400
DEER PARK	SPOKANE	1,650	METALINE	PEND OREILLE	225
DES MOINES	KING	6,730	METALINE FALLS	PEND OREILLE	360
DU PONT	PIERCE	495	MILLWOOD	SPOKANE	1,713*
DUVALL	KING	600	MILTON	PIERCE	2,650
EAST WENATCHEE	DOUGLAS	1,600	MONROE	SNOHOMISH	2,725
EATONVILLE	PIERCE	940	MONTESANO	GRAYS HARBOR	2,790
EDMONDS	SNOHOMISH	26,115	MORTON	LEWIS	1,400
ELECTRIC CITY	GRANT	855	MOSES LAKE	GRANT	10,675
ELLENSBURG	KITTITAS	13,090	MOSSYROCK	LEWIS	466*
ELMA	GRAYS HARBOR	2,652*	MOUNT VERNON	SKAGIT	11,021*
ELMER CITY	OKANOGAN	350	MOUNTLAKE TERRACE	SNOHOMISH	18,550
ENDICOTT	WHITMAN	350*	MOXEE CITY	YAKIMA	800
ENTIAT	CHELAN	406*	MUKILTEO	SNOHOMISH	1,360
ENUMCLAW	KING	4,710*	NACHES	YAKIMA	700
EPHRATA	GRANT	5,320*	NAPAVINE	LEWIS	537*
EVERETT	SNOHOMISH	51,700	NESPELEM	OKANOGAN	340
EVERSON	WHATCOM	755	NEWPORT	PEND OREILLE	1,535
FAIRFIELD	SPOKANE	499*	NOOKSACK	WHATCOM	415
FARMINGTON	WHITMAN	150	NORMANDY PARK	KING	4,500
FERNDALE	WHATCOM	3,180	NORTH BEND	KING	1,665
FIFE	PIERCE	1,710	NORTH BONNEVILLE	SKAMANIA	327*
FIRCREST	PIERCE	5,700	NORTHPORT	STEVENS	447*
FORKS	CLALLAM	2,030	OAK HARBOR	ISLAND	11,618*
FRIDAY HARBOR	SAN JUAN	1,026*	OAKESDALE	WHITMAN	440

*ACTUAL CENSUS

CITY	COUNTY	POPULATION 1977
OAKVILLE	GRAYS HARBOR	505
OCEAN SHORES	GRAYS HARBOR	1,280*
ODESSA	LINCOLN	1,105
OKANOGAN	OKANOGAN	2,250*
OLYMPIA	THURSTON	25,520
ORAK	OKANOGAN	4,126*
ORDVILLE	OKANOGAN	1,565
ORTING	PIERCE	1,680
OTHELLO	ADAMS	4,570*
PACIFIC	KING	1,710
PALOUSE	WHITMAN	970
PASCO	FRANKLIN	15,375
PATEROS	OKANOGAN	589*
PE ELL	LEWIS	615
POMEROY	GARFIELD	1,885
PORT ANGELES	CLALLAM	16,890
PORT ORCHARD	KITSAP	4,280
PORT TOWNSEND	JEFFERSON	5,655
POULSBO	KITSAP	7,834*
PRESCOTT	WALLA WALLA	267*
PROSSER	BENTON	3,335
PULLMAN	WHITMAN	23,500
PUYALLUP	PIERCE	15,750
QUINCY	GRANT	3,340
RAINIER	THURSTON	763*
RAYMOND	PACIFIC	3,887*
REARDAN	LINCOLN	510
REDMOND	KING	17,757*
RENTON	KING	27,150
REPUBLIC	FERRY	1,053*
RICHLAND	BENTON	31,856
RIDGEFIELD	CLARK	952*
RITZVILLE	ADAMS	1,936
RIVERSIDE	OKANOGAN	260
ROCK ISLAND	DOUGLAS	370*
ROCKFORD	SPOKANE	425
ROSALIA	WHITMAN	575
ROSLYN	KITTITAS	1,015
RUFF	PIERCE	302*
ROYAL CITY	GRANT	732*
RUSTON	PIERCE	675
SAINT JOHN	WHITMAN	577*
SEATTLE	KING	500,800
SEDRO WOOLLEY	SKAGIT	5,260
SELAH	YAKIMA	3,800
SEQUIM	CLALLAM	2,555
SHELTON	MASON	6,650
SKYKOMISH	KING	280
SNOHOMISH	SNOHOMISH	4,935
SNOQUALMIE	KING	1,210
SOAP LAKE	GRANT	1,600
SOUTH BEND	PACIFIC	1,805
SOUTH CLE ELUM	KITTITAS	488*
SOUTH PRAIRIE	PIERCE	210
SPANGLE	SPOKANE	211
SPOKANE	SPOKANE	174,500
SPRAGUE	LINCOLN	555
SPRINGDALE	STEVENS	230
STANWOOD	SNOHOMISH	1,463*
STARBUCK	COLUMBIA	212*
STEILACOOM	PIERCE	4,600
STEVENSON	SKAMANIA	963*
SULTAN	SNOHOMISH	1,195
SUMAS	WHATCOM	708*
SUMNER	PIERCE	4,600
SUNNYSIDE	YAKIMA	7,600
TACOMA	PIERCE	156,000
TEKOA	WHITMAN	920
TENINO	THURSTON	1,179*
TIETON	YAKIMA	517*
TOLEDO	LEWIS	648*
TONASKET	OKANOGAN	985
TOPPENISH	YAKIMA	6,100
TUKWILA	KING	3,037*
TUMWATER	THURSTON	5,960*
TWISP	OKANOGAN	818*
UNION GAP	YAKIMA	2,630
UNIONTOWN	WHITMAN	300
VADER	LEWIS	610
VANCOUVER	CLARK	46,500
WAITSBURG	WALLA WALLA	1,075
WALLA WALLA	WALLA WALLA	24,300
WAPATO	YAKIMA	3,860
WARDEN	GRANT	1,592*
WASHOUGAL	CLARK	3,950
WASHTUCNA	ADAMS	300
WATERVILLE	DOUGLAS	945
WAVERLY	SPOKANE	69
WENATCHEE	CHELAN	17,700
WEST RICHLAND	BENTON	2,024*
WESTPORT	GRAYS HARBOR	1,530
WHITE SALMON	KLICKITAT	1,715
WILBUR	LINCOLN	1,100
WILKESON	PIERCE	272*
WILSON CREEK	GRANT	212*
WINLOCK	LEWIS	990
WINSLOW	KITSAP	1,954*
WINTHROP	OKANOGAN	410
WOODLAND	COWLITZ	2,182*
WOODWAY	SNOHOMISH	822*
YACOLT	CLARK	511*
YAKIMA	YAKIMA	51,100
YARROW POINT	KING	1,069*
YELM	THURSTON	760
ZILLAH	YAKIMA	1,390

TABLE 5
ANNEXATIONS BY CITIES & TOWNS
STATE OF WASHINGTON

APPROVED BY THE OFFICE OF PROGRAM PLANNING AND FISCAL MANAGEMENT

Municipality by County	Annexations Approved Between April 2, 1976-April 1, 1977					Annexations Approved Between April 2, 1970-April 1, 1977				
	No. of Parcels	Area in Sq. Miles	Dwelling Units Total	Dwelling Units Occupied	Annexed Pop.	No. of Parcels	Area in Sq. Miles	Dwelling Units Total	Dwelling Units Occupied	Annexed Pop.
WASHINGTON STATE TOTAL	199	5.55	1,023	890	2,713	1,018	76.29	8,773	8,181	24,796
ADAMS	2	.08	1	1	2	7	.27	2	2	6
Hatton	1	.02	1	1	2	1	.02	1	1	2
Lind	1	.06	0	0	0	6	.25	1	1	4
Othello										
Ritzville										
Washtucna										
ASOTIN*	3	.00	2	2	5	10	.10	123	120	386
Asotin	3	.00	2	2	5	10	.10	123	120	386
Clarkston*						107	10.85	661	551	1,830
BENTON*	31	.90	189	134	463	86	5.60	653	544	1,797
Benton City						2	.05	2	1	1
Kennewick*	27	.54	186	132	452	11	4.88	4	4	20
Prosser	1	.03	1	0	0	8	.33	2	2	12
Richland	1	.00	1	1	4					
W. Richland*	2	.31	1	1	7	25	.59	229	216	629
						1	.03	4	3	12
CHELAN	2	.04	0	0	0	3	.03	0	0	0
Cashmere	1	.01	0	0	0	5	.08	9	8	27
Chelan						1	.04	0	0	0
Entiat						15	.41	216	205	590
Leavenworth	1	.02	0	0	0	34	.98	72	69	215
Wenatchee						5	.11	16	16	50
	8	.12	2	2	3	13	.37	17	16	50
CLALLAM*	3	.08	0	0	0	16	.50	39	37	115
Forks	5	.04	2	2	3					
Port Angeles						32	4.22	558	499	1,274
Sequim*						8	.45	9	7	16
	7	.45	96	85	206	4	.13	2	2	8
CLARK*	2	.15	3	2	5	1	.10	3	3	15
Battle Ground										
Camas						11	3.20	534	479	1,215
LaCenter						8	.34	10	8	29
Ridgefield	1	.02	84	76	187					
Vancouver*	4	.27	9	7	14					
Washougal										
Yacolt										
COLUMBIA						21	1.25	282	274	713
Dayton						3	.35	46	46	134
Starbuck						1	.17	24	24	88
	4	.24	35	35	123	11	.30	173	165	382
COWLITZ						3	.39	12	12	37
Castle Rock	1	.17	24	24	88	3	.04	27	27	72
Kalama	2	.01	3	3	10					
Kelso	1	.06	8	8	25	11	.32	258	255	584
Longview						10	.31	258	255	584
Woodland										
DOUGLAS*						1	.01	0	0	0
Bridgeport										
E. Wenatchee*						1	.00	0	0	0
Mansfield						1	.00	0	0	0
Rock Island										
Waterville						18	.63	117	102	281
FERRY*						8	.15	1	1	2
Republic*										
	8	.28	107	93	254	10	.48	116	101	279
FRANKLIN*	2	.06	0	0	0					
Connell										
Kahlotus										
Mesa										
Pasco*	6	.23	107	93	254					
					10					

TABLE 5
ANNEXATIONS BY CITIES & TOWNS
STATE OF WASHINGTON

APPROVED BY THE OFFICE OF PROGRAM PLANNING AND FISCAL MANAGEMENT

Municipality by County	Annexations Approved Between April 2, 1975-April 1, 1977					Annexations Approved Between April 2, 1970-April 1, 1977				
	No. of (,) Parcels	Area in (,) Sq. Miles	Dwelling Units Total	Dwelling Units Occupied	Annexed Pop.	No. of (,) Parcels	Area in (,) Sq. Miles	Dwelling Units Total	Dwelling Units Occupied	Annexed Pop.
GARFIELD										
Pomeroy										
GRANT[4]	3	.03	1	1	4	12	.53	46	36	160
Coulee City										
Electric City						1	.06	0	0	0
Ephrata[5]						3	.10	1	1	5
George										
Grand Coulee										
Hartline										
Krupp										
Mattawa										
Moses Lake[4,5]						3	.48	48	41	209
Quincy						1	.02	7	7	26
Royal City	1	.01	1	1	4	2	.07	38	28	129
Soap Lake	2	.02	0	0	0	2	.02	0	0	0
Warden										
Westlake[5]						-	-.23	-48	-41	-209
Wilson Creek										
GRAYS HARBOR	2	.09	17	15	43	9	1.50	168	163	519
Aberdeen	1	.06	0	0	0	5	1.44	149	148	469
Cosmopolis										
Elma	1	.02	17	15	43	3	.03	18	16	45
Hoquiam						1	.04	1	1	5
McCleary										
Montesano										
Oakville										
Ocean Shores										
Westport										
ISLAND						10	.60	72	70	199
Coupeville						2	.03	1	0	0
Langley						1	.02	0	0	0
Oak Harbor						7	.55	71	70	199
JEFFERSON										
Port Townsend										
KING[4,5]	14	.54	142	120	349	105	7.23	1,917	1,796	5,323
Algona										
Auburn						5	1.16	47	39	131
Beaux Arts										
Bellevue[5]						14	.88	248	237	704
Black Diamond										
Bothell	1	.02	3	3	6	18	.97	164	141	505
Carnation										
Clyde Hill										
Des Moines[5]						4	.43	954	919	2,490
Duvall						1	.24	3	3	11
Enumclaw						7	.66	34	34	88
Hunts Point										
Issaquah						4	.21	11	11	33
Kent	4	.20	48	43	143	13	.73	144	132	439
Kirkland[5]						6	.81	55	52	245
Lake Forest Pk						1	.00	0	0	0
Medina										
Mercer Island[5]	1	.28	381	331	772	1	.28	381	331	772
Mercer Island Town[5]	-	-.28	-381	-331	-772	-	-.28	-381	-331	-772
Normandy Park	1	.07	63	49	113	4	.30	145	127	356
North Bend						1	.03	6	6	6
Pacific										
Redmond	2	.09	9	8	29	13	.41	20	19	69
Renton	5	.16	19	17	58	11	.39	83	74	242
Seattle										
Skykomish						2	.01	0	0	0
Snoqualmie						4	.02	3	3	4
Tukwila										
Yarrow Point										

TABLE 5
ANNEXATIONS BY CITIES & TOWNS
STATE OF WASHINGTON
APPROVED BY THE OFFICE OF PROGRAM PLANNING AND FISCAL MANAGEMENT

Municipality by County	Annexations Approved Between April 2, 1976-April 1, 1977					Annexations Approved Between April 2, 1970-April 1, 1977				
	No. of (2) Parcels	Area in (1) Sq. Miles	Dwelling Units Total	Dwelling Units Occupied	Annexed Pop.	No. of (2) Parcels	Area in (1) Sq. Miles	Dwelling Units Total	Dwelling Units Occupied	Annexed Pop.
KITSAP	5	.05	4	3	8	24	9.03	101	95	295
Bremerton	/	.01	0	0	0	6	8.10	8	7	26
Port Orchard	1	.02	1	1	2	4	.09	7	7	20
Poulsbo	2	.02	2	1	5	11	.67	79	74	221
Winslow	1	.01	1	1	1	3	.17	7	7	28
KITTITAS	2	.01	0	0	0	14	.17	23	23	57
Cle Elum										
Ellensburg	2	.01	0	0	0	11	.16	20	20	52
Kittitas						2	.01	1	1	3
Roslyn						1	.00	2	2	2
S. Cle Elum										
KLICKITAT	1	.01	0	0	0	12	.28	28	27	82
Bingen						1	.02	2	2	6
Goldendale						7	.23	4	3	11
White Salmon	1	.01	0	0	0	4	.04	22	22	65
LEWIS [3]	8	.30	63	59	130	25	1.33	205	193	623
Centralia	3	.26	58	54	119	8	.70	172	163	400
Chehalis [4]	1	.00	2	2	4	7	.60	24	21	185
Morton [5]	1	.02	0	0	0	4	.05	3	3	16
Mossyrock										
Napavine										
Pe Ell										
Toledo						1	.01	0	0	0
Vader						-	.05	0	0	0
Winlock	1	.02	3	3	7	5	.02	6	6	13
LINCOLN						2	.04	20	20	62
Almira										
Creston										
Davenport										
Harrington						1	.01	1	1	2
Odessa										
Reardan										
Sprague										
Wilbur						1	.04	19	19	60
MASON						7	.48	12	10	32
Shelton						7	.48	12	10	32
OKANOGAN	6	.05	5	5	12	27	.18	39	39	122
Brewster	1	.01	5	5	12	3	.03	6	6	16
Conconully										
Coulee Dam										
Elmer City										
Nespelem										
Okanogan	1	.01	0	0	0	5	.06	5	5	15
Omak	2	.01	0	0	0	13	.07	21	21	73
Oroville	2	.02	0	0	0	2	.02	0	0	0
Pateros						1	.00	5	5	11
Riverside										
Tonasket						3	.01	2	2	7
Twisp										
Winthrop										
PACIFIC						4	.10	0	0	0
Ilwaco						3	.10	0	0	0
Long Beach						1	.00	0	0	0
Raymond										
South Bend										
PEND OREILLE [6]						5	.04	1	1	2
Cusick										
Ione										
Metaline										
Metaline Falls										
Newport [6]						5	.04	1	1	2

TABLE 5
ANNEXATIONS BY CITIES & TOWNS
STATE OF WASHINGTON

APPROVED BY THE OFFICE OF PROGRAM PLANNING AND FISCAL MANAGEMENT

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	No. of (2) Parcels	Area in (1) Sq. Miles	Dwelling Units Total	Dwelling Units Occupied	Annexed Pop.	No. of (2) Parcels	Area in (1) Sq. Miles	Dwelling Units Total	Dwelling Units Occupied	Annexed Pop.
PIERCE	3	.04	0	0	0	24	5.98	124	112	349
Bonney Lake						1	.02	0	0	0
Buckley						1	.04	0	0	0
Carbonado										
Du Pont						2	5.01	2	2	7
Eatonville										
Fife						1	.01	0	0	0
Fircrest						1	.01	0	0	0
Gig Harbor	1	.01			0	8	.07	6	6	16
Milton										
Orting										
Puyallup	2	.04	0	0	0	3	.05	0	0	0
Roy										
Ruston										
South Prairie										
Steilacoom						2	.56	58	51	178
Sumner						1	.17	0	0	0
Tacoma						4	.05	58	53	148
Wilkeson										
SAN JUAN	3	.11	2	1	2	6	.12	3	1	2
Friday Harbor	3	.11	2	1	2	6	.12	3	1	2
SKAGIT	6	.22	26	25	91	35	2.61	178	170	502
Anacortes										
Burlington	1	.02	1	1	2	5	.15	11	11	28
Concrete						1	.09	0	0	0
Hamilton										
La Conner	1	.01	0	0	0	2	.10	1	1	2
Lyman										
Mount Vernon	4	.19	25	24	89	25	2.26	166	158	472
Sedro Woolley						2	.02	0	0	0
SKAMANIA*	2	.01	6	6	20	13	1.95	117	99	280
N. Bonneville*						6	1.77	94	76	197
Stevenson	2	.01	6	6	20	7	.19	23	23	83
SNOHOMISH*	14	.28	122	117	413	102	3.43	1,291	1,216	4,062
Arlington						4	.86	113	112	294
Brier										
Darrington						1	.01	0	0	0
Edmonds*	2	.01	22	22	65	15	.20	299	287	905
Everett						2	.51	224	200	694
Gold Bar										
Granite Falls						1	.02	0	0	0
Index										
Lake Stevens						2	.01	2	2	9
Lynnwood*	2	.20	88	87	332	15	.79	505	480	1,780
Marysville*						9	.46	51	51	93
Monroe	2	.03	0	0	0	11	.18	5	4	9
Mountlake Terrace	7	.03	12	8	16	25	.16	37	28	91
Mukilteo										
Snohomish	1	.00	0	0	0	8	.13	31	31	102
Stanwood						6	.04	3	1	2
Sultan						2	.06	11	11	37
Woodway						1	.02	10	9	36
SPOKANE	1	.03	0	0	0	12	.85	52	48	92
Airway Hts.										
Cheney						5	.58	25	25	50
Deer Park	1	.03	0	0	0	4	.22	24	21	35
Fairfield						1	.00	0	0	0
Latah										
Medical Lake										
Millwood										
Rockford										
Spangle										
Spokane						2	.04	3	2	7
Waverly										

TABLE 5
ANNEXATIONS BY CITIES & TOWNS
STATE OF WASHINGTON
APPROVED BY THE OFFICE OF PROGRAM PLANNING AND FISCAL MANAGEMENT

Municipality by County	Annexations Approved Between April 2, 1976 April 1, 1977					Annexations Approved Between April 2, 1970-April 1, 1977				
	No. of Parcels	Area in (1) Sq. Miles	Dwelling Units Total	Dwelling Units Occupied	Annexed Pop.	No. of Parcels	Area in (1) Sq. Miles	Dwelling Units Total	Dwelling Units Occupied	Annexed Pop.
STEVENS	1	.01	7	7	17	15	.31	55	55	143
Chewelah						3	.17	8	8	28
Colville						11	.12	40	40	98
Kettle Falls	1	.01	7	7	17	1	.01	7	7	17
Marcus										
Northport										
Springdale										
THURSTON [5,9]	9	.15	2	2	5	58	3.74	290	267	751
Bucoda										
Lacey	2	.02	0	0	0	5	.20	0	0	0
Olympia [7]	1	.06	0	0	0	35	1.33	247	229	597
Rainier						2	.03	0	0	0
Tenino										
Tumwater [8]	6	.06	2	2	5	14	1.95	24	20	87
Yelm						2	.23	19	18	67
WAHKIAKUM										
Cathlamet										
WALLA WALLA [5,9]	14	.13	11	10	25	71	3.31	148	142	479
College Place	3	.07	1	1	3	17	.20	62	61	183
Prescott						1	.01	5	5	10
Waitsburg						53	3.10	81	76	286
Walla Walla [5,9]	11	.05	10	9	22					
WHATCOM	20	.91	32	22	57	34	6.23	179	162	562
Bellingham						1	1.14	1	1	2
Blaine	1	.00	0	0	0	4	2.83	0	0	0
Everson	2	.02	2	2	6	6	.10	3	3	11
Ferndale	11	.87	27	17	44	12	1.12	52	41	138
Lynden	6	.02	3	3	7	11	1.04	123	117	411
Nooksack										
Sumas										
WHITMAN	3	.02	5	5	15	19	.71	65	64	148
Albion										
Colfax						3	.13	45	45	81
Colton						1	.00	1	0	0
Endicott										
Farmington										
Garfield										
La Crosse										
Lamont										
Malden										
Oakesdale										
Palouse										
Pullman	2	.02	0	0	0	12	.55	14	14	52
Rosalia										
St. John	1	.01	5	5	15	3	.03	5	5	15
Tekoa										
Uniontown										
YAKIMA	17	.45	146	140	466	103	6.31	1,337	1,284	4,082
Grandview	1	.03	7	7	30	12	2.69	117	113	413
Granger										
Harrah										
Mabton						1	.01	1	0	0
Moxee City						3	.01	15	15	33
Naches						13	.64	16	16	59
Selah	1	.00	0	0	0	22	.55	47	45	155
Sunnyside	8	.27	8	8	27	2	.00	1	1	6
Tieton	2	.00	1	1	6	5	.10	1	1	8
Toppenish						7	.97	185	171	518
Union Gap										
Wapato										
Yakima	5	.15	130	124	403	38	1.33	954	922	2,890
Zillah										

FOOTNOTES:

[1]Detail may not sum to total due to rounding.

[2]Parcels added by a municipality prior to January 1, 1970 are not included in this report as they were included in the 1970 Federal Census.

[3]King County: Mercer Island City annexed Mercer Island Town, effective July 1, 1970; this annexation was approved by OPP&FM June 21, 1976 (and is shown in the 75-76 portion); However, official population releases have shown Mercer Island as one municipality since 1970.

[4]Grant County: Moses Lake annexed the Town of Westlake, effective July 5, 1972 and approved August 25, 1972.

[5]Lewis County, Town of Morton: Ordinance Number 248, approved 8-11-75, repeals all or parts of Ordinance Numbers 213, 225, and 245; there is no population adjustment as the area containing population was already included in the population estimate for 1974. There are 10.04 additional acres in this parcel.

[6]Pend Oreille County, City of Newport: A parcel was annexed that included 7.19 acres located in Bonner County, Idaho; as this area is not located in Washington, the 7.19 acres are not included in the area total for Newport or Pend Oreille County.

[7]Thurston County, City of Olympia: A portion of a road was given to Olympia by Thurston County by means of Quit Claim Deed; this was added to the city 11-8-71 and approved by this Office 2-28-74. This parcel is not included in this report as the action taken was not an annexation.

[8]Street, road or highway annexations included:

Benton County
- Kennewick - one parcel approved 8-10-76; one parcel, approved 10-5-76
- West Richland - one parcel, approved 8-15-74

Douglas County
- East Wenatchee - one parcel, approved 3-31-76

Ferry County
- Republic - one parcel, approved 5-26-71

Franklin County
- Pasco - one parcel, approved 8-25-76

Grant County
- Ephrata - one parcel, approved 2-25-75
- Moses Lake - one parcel, approved 8-29-73

King County
- Bellevue - one parcel was a street deletion, approved 12-23-71 with -0.26 acres

Skamania County
- North Bonneville - one parcel, approved 11-17-75

Snohomish County
- Edmonds - one parcel, approved 7-16-70; five parcels, approved 2-23-76; one parcel, approved 10-5-76
- Lynnwood - one parcel, approved 7-15-71
- Marysville - one parcel, approved 11-27-70

Thurston County
- Tumwater - one parcel, approved 11-24-72

Walla Walla County
- Walla Walla - one parcel, approved 10-5-76

[9]Population in group quarters included:

Asotin County
- Clarkston - one parcel contained a population of 13 in group quarters (approved 2-26-73)

Clallam County
- Sequim - one parcel contained a population of 20 in group quarters (approved 2-28-74)

Clark County
- Vancouver - one parcel contained a population of 109 in group quarters (approved 8-28-74)
  one parcel contained a population of 51 in group quarters (approved 8-25-76)

King County
- Des Moines - one parcel contained a population of 494 in group quarters (approved 2-19-71)
  one parcel contained a population of 101 in group quarters (approved 11-26-74)
- Kirkland - one parcel contained a population of 130 in group quarters (approved 3-15-74)

Lewis County
- Chehalis - one parcel contained a population of 128 in group quarters (approved 11-24-72)

Walla Walla County
- Walla Walla - one parcel contained a population of 77 in group quarters (approved 5-5-72)

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TABLE 6

OFFICIAL APRIL 1, POPULATION FOR HIGHWAY URBAN AREAS
STATE OF WASHINGTON
1970-1977**

	POPULATION						
	1970	1971	1972*	1973*	1974*	1977*	Rank
Seattle-Tacoma	1,592,508	1,558,200	1,578,500	1,580,000	1,589,400	1,635,800	1
Spokane-Millwood	232,284	232,800	239,000	241,000	243,100	251,700	2
Vancouver	74,848	77,300	79,000	80,800	85,100	107,800	3
Kennewick-Pasco-Richland	74,286	74,600	75,200	76,500	78,300	88,900	4
Selah-Union Gap-Yakima	71,700	72,100	72,400	72,300	72,700	79,100	5
Bremerton-Port Orchard	58,881	63,500	59,400	61,000	61,600	68,900	6
Lacey-Olympia-Tumwater	47,730	48,500	49,900	50,200	52,000	60,500	7
Bellingham	41,875	42,400	44,900	44,900	45,200	50,200	8
Kelso-Longview	46,344	46,500	47,100	47,700	47,100	48,500	9
Walla Walla-College Place	33,915	34,000	36,400	36,600	36,600	38,000	10
Wenatchee-East Wenatchee	31,643	32,100	33,700	34,100	34,300	33,900	11
Aberdeen-Cosmopolis-Hoquiam	30,854	30,900	30,800	30,800	30,300	31,400	12
Pullman	20,619	22,000	22,700	23,100	23,300	23,600	13
Centralia-Chehalis	18,881	19,100	19,400	19,600	19,600	21,300	14
Port Angeles	19,367	19,500	19,800	20,100	20,000	20,600	15
Moses Lake	15,568	15,600	15,800	15,600	15,700	16,200	16
Ellensburg	14,935	15,400	15,600	15,100	14,900	14,400	17
Oak Harbor	9,767	9,800	11,200	11,300	11,600	13,800	18
Mount Vernon	9,804	9,800	10,000	10,100	10,200	11,600	19
Clarkston	10,109	10,200	10,400	10,400	10,500	11,200	20
Camas-Washougal	10,678	10,800	10,800	11,000	11,000	11,000	21
Anacortes	8,301	8,400	8,300	8,300	8,300	8,500	22
Shelton	8,015	8,100	8,400	8,600	8,600	8,200	23
Sunnyside	7,081	7,200	7,300	7,500	7,600	8,200	23
Cheney	--	--	6,600	6,700	6,700	6,700	25
Toppenish	5,894	6,000	6,000	6,000	6,000	6,200	26
Port Townsend	5,341	5,300	5,300	5,300	5,300	5,900	27
Ephrata	5,255	5,300	5,200	5,200	5,200	5,200	28
URBAN AREA TOTAL	2,506,483	2,485,400	2,529,100	2,539,800	2,560,200	2,687,300	
STATE TOTAL	3,413,250	3,430,100	3,418,800	3,434,300	3,448,100	3,661,975	
PERCENT OF STATE TOTAL	73.4	72.5	74.0	74.0	74.2	73.4	

*Seattle-Tacoma Highway Urban Area expanded from 1972 on to include McChord Air Force Base and additional parts of Fort Lewis.
**Many Highway Urban Areas have undergone boundary changes since 1974. Check with the Department of Highways for current definitions.

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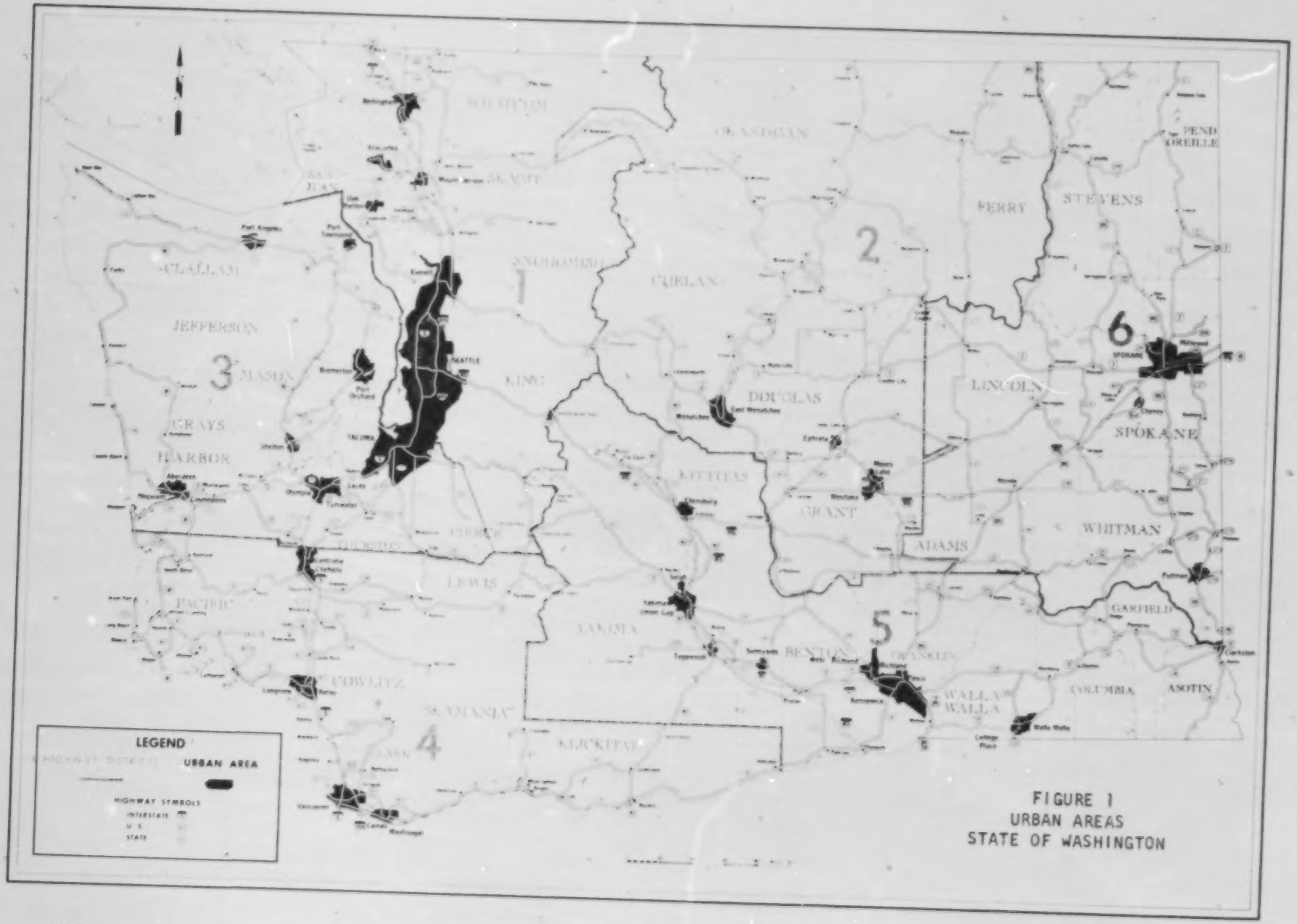

FIGURE 1
URBAN AREAS
STATE OF WASHINGTON

TABLE 7A

OFFICIAL APRIL 1 POPULATION OF SELECTED ETHNIC CATEGORIES
STATE OF WASHINGTON
1970 AND 1977*

	TOTAL POPULATION		WHITE EXCLUDING SPANISH SURNAME		SPANISH SURNAME[1]		BLACK		INDIAN		ASIAN[2]		OTHER	
	1970	1977	1970	1977	1970	1977	1970	1977	1970	1977	1970	1977	1970	1977
STATE	3,413,250	3,661,975	3,184,313	3,361,975	70,746	90,600	71,331	81,600	33,400	50,700	44,088	65,400	9,372	11,700
Adams	12,014	13,900	10,199	11,510	1,601	2,160	46	†	33	50	67	100	68	70
Asotin	13,799	15,400	13,587	15,015	97	125	†	†	71	200	†	35	†	†
Benton	67,540	85,400	64,559	81,550	1,897	2,300	437	575	225	285	228	470	194	220
Chelan	41,103	41,900	40,344	40,725	248	425	42	30	281	390	70	205	118	125
Clallam	34,770	41,100	32,888	38,265	240	325	53	170	1,366	1,930	150	300	73	90
Clark	128,454	164,000	125,955	158,820	1,010	1,790	569	1,160	398	900	371	1,100	151	230
Columbia	4,439	4,600	3,949	3,985	469	550	†	†	†	30	†	25	†	†
Cowlitz	68,616	73,200	67,180	70,730	639	920	109	185	357	710	209	500	122	155
Douglas	16,787	20,100	16,476	19,600	104	180	†	50	115	100	45	135	31	35
Ferry	3,655	5,147	2,888	4,217	35	40	84	100	613	750	†	†	28	30
Franklin	25,816	29,200	22,705	24,810	1,300	2,500	1,388	1,350	105	135	138	215	180	190
Garfield	2,911	2,900	2,904	2,880	†	†	†	†	†	†	†	†	†	†
Grant	41,881	45,500	36,362	39,045	3,922	4,800	656	400	376	600	422	500	143	155
Grays Harbor	59,553	61,400	57,033	57,445	625	750	36	50	1,465	2,650	260	350	134	155
Island	27,011	37,528	25,634	35,598	515	450	272	450	68	220	383	580	139	230
Jefferson	10,661	12,600	10,223	11,970	35	80	28	40	320	420	36	65	†	25
King	1,159,375	1,164,400	1,057,980	1,037,500	20,952	27,800	40,600	43,500	7,393	9,500	29,153	42,000	3,297	4,100
Kitsap	101,732	126,300	96,326	117,955	1,369	2,000	1,451	1,800	913	2,000	1,350	2,125	323	420
Kittitas	25,039	25,600	24,304	24,440	317	450	71	120	105	185	174	330	68	75
Klickitat	12,138	13,900	11,604	13,240	154	200	†	†	279	340	67	80	†	30
Lewis	45,467	50,600	44,981	49,725	95	225	39	110	242	310	67	150	43	70
Lincoln	9,572	9,800	9,375	9,540	94	125	†	†	81	100	†	25	†	†
Mason	20,918	24,600	20,028	23,020	192	300	95	135	515	985	64	130	†	30
Okanogan	25,867	27,800	23,555	23,865	146	300	73	†	1,999	3,510	†	30	73	75
Pacific	15,796	16,000	15,406	15,270	124	175	†	†	163	400	58	110	25	30
Pend Oreille	6,025	8,000	5,837	7,720	†	50	†	†	135	175	†	35	†	†
Pierce	412,344	422,400	374,463	376,155	9,242	10,600	18,517	21,700	3,351	4,770	5,387	7,145	1,384	2,030
San Juan	3,656	6,100	3,809	6,000	†	†	†	†	25	60	†	30	†	†
Skagit	52,381	56,000	50,075	53,135	1,295	1,600	45	75	650	750	134	250	182	190
Skamania	5,845	6,100	5,713	5,930	†	†	†	30	93	110	†	†	†	†
Snohomish	265,236	276,200	257,537	267,060	3,226	4,140	1,012	1,655	2,105	3,130	937	1,710	419	505
Spokane	287,487	308,200	277,280	293,910	2,894	4,000	2,989	3,840	1,988	3,080	1,821	2,725	515	645
St[illegible]	17,405	24,300	16,374	22,585	146	250	†	30	821	1,350	†	55	30	30
Thurston	76,894	101,000	74,798	96,880	687	950	207	1,035	582	975	393	950	227	310
Wahkiakum	3,592	3,800	3,525	3,730	†	†	†	†	49	50	†	†	†	†
Walla Walla	42,176	43,800	40,088	41,370	1,077	1,300	481	515	171	190	229	285	130	140
Whatcom	81,983	93,600	78,334	88,725	956	1,100	201	360	1,949	2,600	310	550	233	265
Whitman	37,900	41,900	36,503	39,625	436	500	164	500	102	200	551	900	144	175
Yakima	145,212	155,700	123,532	128,400	14,560	17,100	1,571	1,565	3,886	6,655	887	1,180	776	800

*Official April 1 ethnic estimates are developed for the total resident population and include people in the armed forces and institutions. Consequently they do not adequately represent the absolute or proportional distribution of people engaged in or available to the labor force.

[1]Derived from the persons of Spanish language in the 1970 Census.

[2]Includes Japanese, Chinese, Filipino, Hawaiian, Korean, and Vietnamese.

†Less than 25 people.

SOURCE: 1970 U.S. Census, 1977 estimate OFM.

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TABLE 7B

APRIL 1, 1977 ESTIMATES OF THE ARMED FORCES
BY SELECTED ETHNIC CATEGORIES,
STATE OF WASHINGTON[1]

	TOTAL	WHITE	BLACK	INDIAN	ASIAN[2]	OTHER
STATE	57,560	51,858	4,341	484	601	276
Clallam	360	323	28	†	†	†
Franklin	30	27	†	†	†	†
Grays Harbor	120	108	†	†	†	†
Island	5,740	5,340	299	33	41	27
King	3,150	2,828	246	28	34	†
Kitsap	11,700	10,503	913	102	126	56
Pierce	30,830	27,675	2,405	268	333	149
Snohomish	720	646	56	†	†	†
Spokane	4,350	3,905	339	38	47	†
Thurston	430	386	34	†	†	†
Whatcom	130	117	†	†	†	†

[1]Estimates of the Armed Froces population by ethnic categories are based on 1970 census tabulations. These data are provided to assist interested persons develop civilian labor force estimates by county. These estimates exclude military recruiters and active duty personnel assigned to stations with less than 30 personnel and are provided only for counties that meet these criteria.

[2]Includes Japanese, Chinese, Filipino, Hawaiian, Korean, and Vietnamese.

†Less than 25 people.

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TABLE 8

ARMED FORCES STATION STRENGTH
FOR SELECTED COUNTIES
STATE OF WASHINGTON
1970 - 1977[1]

	1970	1971	1972	1973	1974	1975[2]	1976[3]	1977[4]
STATE	60,082	61,130	45,650	44,860	49,230	54,250	55,480	57,560
Clallam	585	560	560	550	540	520	360	360
Franklin	264	240	230	170	140	60	30	30
Grays Harbor	244	240	240	250	230	210	200	120
Island	4,960	4,300	4,860	5,510	5,470	5,520	5,380	5,740
King	3,464	3,120	3,120	3,120	3,330	3,020	2,970	3,150
Kitsap	5,132	2,830	2,750	3,360	3,790	8,870[2]	9,260[3]	11,700[4]
Pierce	39,306	43,840	28,120	26,400	30,030	30,480	31,730	30,830
Snohomish	597	520	580	660	660	660	660	720
Spokane	4,315	4,380	4,530	4,250	4,420	4,360	4,330	4,350
Thurston	686	630	380	360	410	410	430	430
Walla Walla	205	150	110	100	70	10	--	--
Whatcom	324	320	170	130	140	130	130	130

[1]Corrected station strength count in April 1, 1970. Following years are estimated on the basis of July 1 station strength counts by the Department of Defense, and information provided by the large bases in Washington. Station strength count in counties with less than 100 Armed Forces personnel is reported by the Department of Defense as a miscellaneous total. This total of approximately 200-300 is proportionately distributed among the counties for which station strength figures are reported.

[2]Includes 4,576 naval personnel on board ships at the Puget Sound Naval Shipyard.

[3]Includes 5,564 naval personnel on board ships at the Puget Sound Naval Shipyard.

[4]Includes 6,787 naval personnel on board ships at the Puget Sound Naval Shipyard.

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TABLE 9

POPULATION 65 YEARS AND OVER[1], BY COUNTY
STATE OF WASHINGTON
1970 - 1977

	Census 1970	1971	1972	1973	1974	1975	1976	1977
STATE	320,712	327,690	334,840	342,920	351,480	360,250	370,680	382,380
Adams	857	880	1,010	1,140	1,190	1,210	1,240	1,270
Asotin	1,931	1,950	1,970	1,990	2,010	2,060	2,110	2,170
Benton	4,368	4,610	4,830	5,120	5,360	5,600	5,880	6,210
Chelan	5,216	5,250	5,390	5,540	5,730	5,860	6,020	6,200
Clallam	4,355	4,530	4,720	4,950	5,190	5,430	5,720	6,050
Clark	11,591	11,960	12,370	12,760	13,200	13,730	14,350	15,050
Columbia	668	670	660	680	690	700	700	700
Cowlitz	5,967	6,140	6,310	6,560	6,780	7,010	7,290	7,610
Douglas	1,496	1,600	1,680	1,760	1,780	1,830	1,890	1,960
Ferry	319	320	310	320	330	360	390	430
Franklin	1,689	1,770	1,800	1,860	1,950	2,070	2,210	2,370
Garfield	365	350	350	330	330	340	350	360
Grant	2,884	3,020	3,140	3,230	3,340	3,520	3,730	3,960
Grays Harbor	6,760	6,820	6,890	6,980	7,100	7,180	7,270	7,380
Island	2,465	2,580	2,810	3,010	3,200	3,430	3,700	4,010
Jefferson	1,413	1,470	1,520	1,590	1,700	1,790	1,910	2,040
King	101,358	103,270	105,230	107,300	109,780	111,990	114,630	117,590
Kitsap	9,949	10,240	10,520	10,800	11,100	11,380	11,710	12,080
Kittitas	2,261	2,280	2,300	2,350	2,400	2,430	2,460	2,500
Klickitat	1,378	1,400	1,420	1,440	1,470	1,530	1,590	1,660
Lewis	6,179	6,210	6,250	6,300	6,390	6,540	6,710	6,910
Lincoln	1,398	1,440	1,480	1,480	1,490	1,490	1,480	1,480
Mason	2,487	2,540	2,600	2,720	2,780	2,900	3,030	3,180
Okanogan	2,892	2,980	3,080	3,160	3,260	3,330	3,420	3,510
Pacific	2,415	2,470	2,510	2,560	2,610	2,640	2,690	2,730
Pend Oreille	836	840	860	880	890	900	910	920
Pierce	33,777	34,580	35,320	36,060	36,780	37,560	38,490	39,530
San Juan	767	800	830	870	890	940	1,000	1,070
Skagit	6,469	6,620	6,670	6,810	7,050	7,270	7,540	7,830
Skamania	506	520	540	560	570	560	560	550
Snohomish	19,537	20,140	20,630	21,250	21,960	22,640	23,460	24,370
Spokane	31,810	32,400	32,920	33,450	34,000	34,690	35,510	36,430
Stevens	2,227	2,300	2,320	2,320	2,350	2,410	2,480	2,560
Thurston	7,638	7,980	8,300	8,670	9,030	9,400	9,850	10,350
Wahkiakum	455	470	460	470	480	480	490	500
Walla Walla	5,396	5,440	5,530	5,640	5,740	5,830	5,950	6,070
Whatcom	9,564	9,490	9,610	9,850	10,070	10,250	10,450	10,680
Whitman	2,992	2,990	2,990	3,000	2,990	2,990	2,990	2,990
Yakima	16,077	16,370	16,760	17,160	17,520	17,980	18,520	19,120

[1]Estimates developed on the basis of change in federal medicare enrollment.

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II

COMPONENTS OF CHANGE AND OTHER INFORMATION

TABLE 10

COMPONENTS OF POPULATION CHANGE
REVISED POPULATION SERIES DEVELOPED JULY 1977[1]
STATE OF WASHINGTON
1920-1977

(FIGURES IN THOUSANDS)

APRIL 1,	POPULATION	POPULATION CHANGE NUMBER	POPULATION CHANGE PERCENT	COMPONENTS OF CHANGE FROM PREVIOUS PERIOD: BIRTHS NUMBER[2]	BIRTHS RATE[3]	DEATHS NUMBER[2]	DEATHS RATE[3]	NATURAL INCREASE	NET MIGRATION NUMBER[2]	NET MIGRATION RATE[3]
Ten Year Intervals										
1920	1,356.6	214.6	18.8	227.7	167.8	122.4	90.2	105.2	109.4	80.6
1930	1,568.0	211.4	15.6	248.2	158.3	151.1	96.4	97.1	114.3	72.9
1940	1,736.2	168.2	10.7	233.6	134.5	176.9	101.9	56.7	111.5	64.2
1950	2,379.0	642.8	37.0	452.5	190.2	211.6	88.9	240.9	401.9	168.9
1960	2,853.2	474.3	19.9	625.9	219.4	241.9	84.8	384.1	90.2	31.6
1970	3,413.2	560.0	19.6	588.5	172.4	283.0	82.9	305.5	254.5	74.6
Single Years										
1965	3,065.0	57.0	1.9	55.9	18.2	27.3	8.9	28.6	28.4	9.3
1966	3,125.0	60.0	2.0	52.2	16.7	28.1	9.0	24.0	36.0	11.5
1967	3,229.0	104.0	3.3	52.9	16.4	28.8	8.9	24.1	79.9	24.7
1968	3,336.0	107.0	3.3	54.9	16.4	30.1	9.0	24.8	82.2	24.6
1969	3,397.0	61.0	1.8	58.0	17.1	30.6	9.0	27.4	33.6	9.9
1970	3,413.2	16.2	0.5	59.9	17.6	30.0	8.8	30.0	-13.7	-4.0
1971	3,433.0	19.7	0.6	60.0	17.5	29.8	8.7	30.3	-10.5	-3.1
1972	3,426.9	-6.1	-0.2	53.1	15.5	30.4	8.9	22.7	-28.8	-8.4
1973	3,436.8	9.9	0.3	47.7	13.9	30.4	8.8	17.3	-7.4	-2.2
1974	3,490.7	53.9	1.6	48.2	13.8	29.9	8.6	18.2	35.7	10.2
1975	3,536.8	46.2	1.3	50.1	14.2	30.3	8.6	19.8	26.4	7.5
1976	3,594.6	57.7	1.6	50.9[4]	14.2	29.9[4]	8.3	21.0	36.7	10.2
1977	3,662.0	67.4	1.9	54.1[4]	14.8	30.3[4]	8.3	23.8	43.6	11.9

[1]Revised state population estimates for 1971-77 were developed on the basis of the most current data available as of July 1977. State estimates for 1971-76 in this revised series do not correspond to the official state April 1 estimates in Table 1 which are published annually and are not revised on the basis of special censuses or other information which becomes available after each estimate date.

[2]Calendar year figures for 1920 to 1940, April to April figures from 1950 to present.

[3]Rates per 1,000 population.

[4]Estimated.

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TABLE 11

COMPONENTS OF POPULATION CHANGE BY COUNTY
STATE OF WASHINGTON
APRIL 1, 1970 TO APRIL 1, 1977

	POPULATION				COMPONENTS OF CHANGE			
	1970	1977	CHANGE NUMBER	CHANGE PERCENT	BIRTHS	DEATHS	NATURAL INCREASE	NET MIGRATION
STATE	3,413,250	3,661,975	248,725	7.3	365,267	211,050	154,217	94,508
Adams	12,014	13,900	1,886	15.7	1,853	613	1,240	646
Asotin	13,799	15,400	1,601	11.6	1,556	1,202	354	1,247
Benton	67,540	85,400	17,860	26.4	7,674	3,332	4,342	13,518
Chelan	41,103	41,900	797	1.9	3,752	2,999	753	44
Clallam	34,770	41,100	6,330	18.2	4,295	2,819	1,476	4,854
Clark	128,454	164,000	35,546	27.7	16,606	8,006	8,600	26,946
Columbia	4,439	4,600	161	3.6	335	378	-43	204
Cowlitz	68,616	73,200	4,584	6.7	8,274	4,101	4,173	411
Douglas	16,787	20,100	3,313	19.7	1,723	825	898	2,415
Ferry	3,655	5,147*	1,492	40.8	503	215	288	1,204
Franklin	25,816	29,200	3,384	13.1	3,660	1,414	2,246	1,138
Garfield	2,911	2,900	-11	-0.4	272	215	57	-68
Grant	41,881	45,500	3,619	8.6	5,442	2,201	3,241	378
Grays Harbor	59,553	61,400	1,847	3.1	6,554	4,758	1,796	51
Island	27,011	37,528*	10,517	38.9	4,304	1,445	2,859	7,658
Jefferson	10,661	12,600	1,939	18.2	943	881	62	1,877
King	1,159,375	1,164,400	5,025	0.4	102,982	66,719	36,263	-31,238
Kitsap	101,732	126,300	24,568	24.1	11,902	6,499	5,403	19,165
Kittitas	25,039	25,600	561	2.2	2,148	1,348	800	-239
Klickitat	12,138	13,900	1,762	14.5	1,560	932	628	1,134
Lewis	45,467	50,600	5,133	11.3	5,350	3,704	1,646	3,487
Lincoln	9,572	9,800	228	2.4	844	780	64	164
Mason	20,918	24,600	3,682	17.6	2,138	1,528	610	3,072
Okanogan	25,867	27,800	1,933	7.5	3,061	1,899	1,162	771
Pacific	15,796	16,000	204	1.3	1,522	1,457	65	139
Pend Oreille	6,025	8,000	1,975	32.8	836	507	329	1,646
Pierce	412,344	422,400	10,056	2.4	48,767	23,740	25,027	-14,971
San Juan	3,856	6,100	2,244	58.2	322	346	-24	2,268
Skagit	52,381	56,000	3,619	6.9	5,546	4,004	1,542	2,077
Skamania	5,845	6,100	255	4.4	616	310	306	-51
Snohomish	265,236	278,200	12,964	4.9	29,431	13,685	15,746	-2,782
Spokane	287,487	308,200	20,713	7.2	33,821	20,440	13,381	7,332
Stevens	17,405	24,300	6,895	39.6	2,199	1,374	825	6,070
Thurston	76,894	101,000	24,106	31.3	9,568	4,893	4,675	19,431
Wahkiakum	3,592	3,800	208	5.8	409	275	134	74
Walla Walla	42,176	43,800	1,624	3.9	3,725	3,234	491	1,133
Whatcom	81,983	93,600	11,617	14.2	8,909	5,552	3,357	8,260
Whitman	37,900	41,900	4,000	10.6	3,390	1,782	1,608	2,392
Yakima	145,212	155,700	10,488	7.2	18,475	10,638	7,837	2,651

*Actual Census

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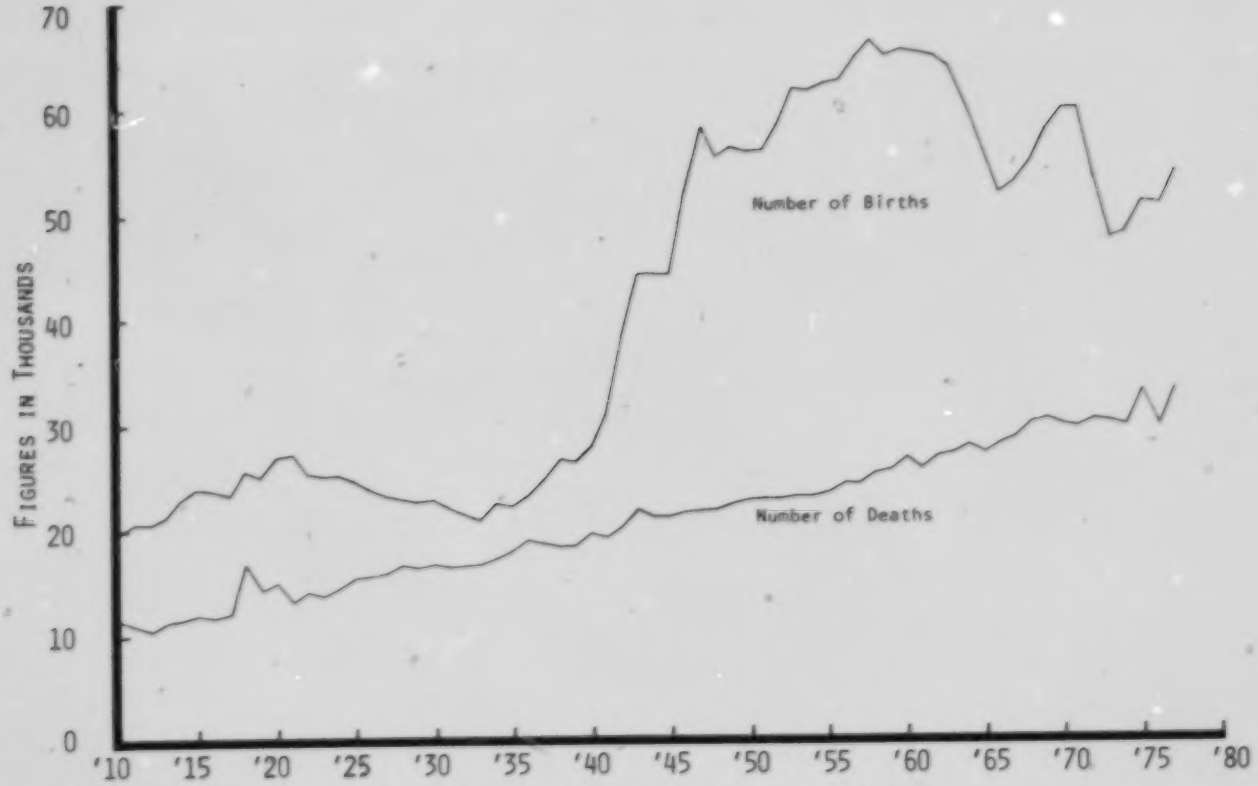
FIGURE 2

NATURAL INCREASE TRENDS

STATE OF WASHINGTON

1910 - 1977



SOURCE: DSHS, VITAL STATISTICS SECTION -Calendar year data Prior to 1950.

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TABLE 12

GENERAL FERTILITY RATE[1]
STATE OF WASHINGTON
1930-1977

Year	Females 15-44	Live Births[2]	General Fertility Rate
1930	358,525	23,019	64.2
1940	398,246	27,952	70.2
1950	512,005	55,755	108.9
1960	554,814	65,251	117.6
1965	603,200	55,879	92.6
1966	619,700	52,161	84.2
1967	648,900	52,897	81.5
1968	681,100	54,888	80.6
1969	701,100	58,012	82.7
1970	711,655[3]	59,930	84.2
1971	721,400	60,031	83.2
1972	724,800	53,096	73.3
1973	736,300	47,697	64.8
1974	759,800	48,159	63.4
1975	781,700	50,127	64.1
1976	806,700	50,929[4]	63.1
1977	833,000	54,089[4]	64.9

[1]Births per 1,000 women 15-44 years.

[2]Calendar year figures for 1930 to 1960, April to April figures for 1965 to present.

[3]Corrected population from the Bureau of the Census.

[4]Provisional figures.

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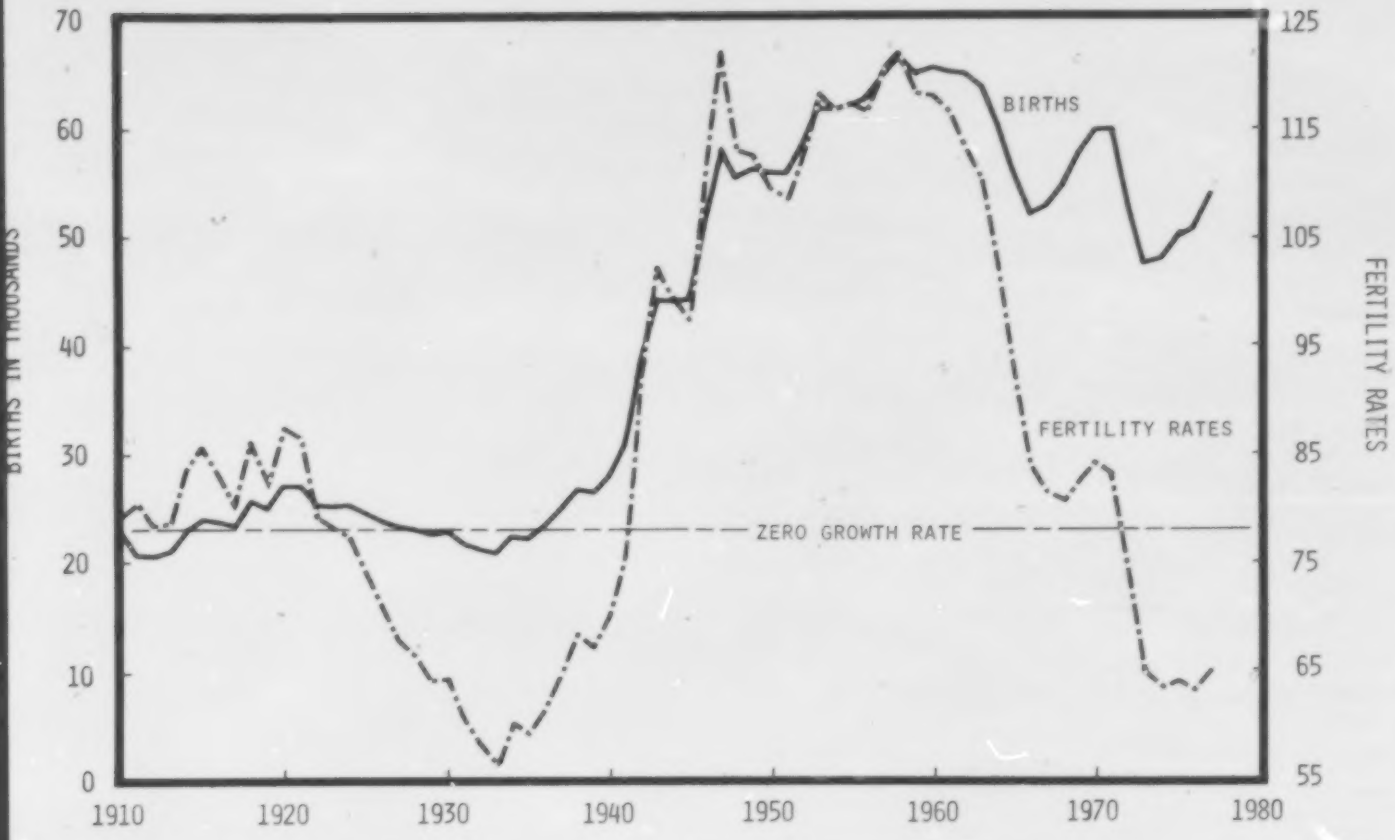
FIGURE 3

A DEMOGRAPHIC ROLLER COASTER

BIRTH AND FERTILITY RATES FOR WASHINGTON

1910 — 1980



- THE NUMBER OF BIRTHS IN WASHINGTON HAVE CONTINUED TO INCREASE FOR THE THIRD STRAIGHT YEAR, FROM 48,159 IN 1974, TO 50,127 IN 1975, TO AN ESTIMATE OF 50,929 IN 1976, AND 54,089 IN 1977. THESE INCREASES ARE PRIMARILY DUE TO AN INCREASE IN THE NUMBER OF WOMEN OF CHILDBEARING AGE.

- THE GENERAL FERTILITY RATE IN WASHINGTON IS NOW 64.9, STILL SUBSTANTIALLY LOWER THAN THE RATE OF ABOUT 78.0 REQUIRED FOR POPULATION REPLACEMENT - ZERO GROWTH.

- EVEN IF FERTILITY RATES CONTINUED AT BELOW REPLACEMENT LEVEL, WITH NO MIGRATION TO WASHINGTON, THE STATE POPULATION WOULD CONTINUE TO GROW THROUGH 2020 BY NATURAL INCREASE.

- THE CURRENT DECLINE IN FERTILITY CAN BE PARTLY ATTRIBUTED TO THE TREND AWAY FROM EARLY MARRIAGE AND EARLY CHILDBEARING:

  TODAY 43 PERCENT OF THE WOMEN 20-24 YEARS ARE STILL SINGLE. THIS COMPARES TO 28 PERCENT STILL SINGLE IN THIS AGE GROUP IN 1960.

  IN 1960, 76 PERCENT OF THE MARRIED WOMEN AGE 20-24 HAD ONE OR MORE CHILDREN, WHEREAS IN 1976 ONLY 58 PERCENT OF MARRIED WOMEN IN THIS AGE GROUP HAD ONE OR MORE CHILDREN. SIMILARLY, IN 1960, 87 PERCENT OF THE MARRIED WOMEN 25-29 HAD ONE OR MORE CHILDREN, BY 1976 THIS PROPORTION HAD DROPPED TO 78 PERCENT.

- DECLINING FERTILITY IS ALSO DUE TO AN INCREASING PREFERENCE FOR THE TWO CHILD FAMILY. IN THE LAST 7 YEARS THE AVERAGE NUMBER OF BIRTHS EXPECTED BY AMERICAN WIVES 18-24 YEARS HAS DECLINED FROM 2.9 TO 2.1.

- AVERAGE LIFETIME BIRTH EXPECTATIONS OF 2.1 FOR YOUNG WIVES IMPLY AVERAGE LIFETIME BIRTHS OF 2.0 FOR YOUNG WOMEN OF ALL MARITAL CLASSES WHEN ALLOWANCES ARE MADE FOR OTHER WOMEN WHO NEVER MARRY AND FOR THE EFFECT OF DISRUPTED MARRIAGES. THIS IS SLIGHTLY BELOW THE AVERAGE OF 2.11 BIRTHS PER WOMAN REQUIRED FOR A STATIONARY POPULATION.

TABLE 13

NUMBER OF ABORTIONS BY AGE GROUP
STATE OF WASHINGTON
1971-1976

Age Group	1971[1] Number	1972 Number	1973 Number	1974 Number	1975 Number	1976 Number
Under 15 Years	106	214	228	255	256	265
15-19 Years	3,985	6,593	6,296	6,553	7,810	8,183
20-24 Years	4,173	5,747	5,627	5,887	6,639	7,518
25-29 Years	1,879	2,594	2,630	2,971	3,524	3,860
30-34 Years	1,088	1,399	1,410	1,405	1,600	1,728
35-39 Years	698	878	802	789	803	906
40 Years & Over	322	327	323	313	330	330
Unknown	--	10	3	12	1	--
Total	12,251	17,767	17,319	18,185	20,963	22,790

[1]In 1971 unknowns were 2,096; these are not included in this table.

TABLE 14

NUMBER OF ABORTIONS BY MARITAL STATUS
STATE OF WASHINGTON
1971-1976

Marital Status	1971 Number	1972 Number	1973 Number	1974 Number	1975 Number	1976 Number
Never	8,087	10,447	10,286	10,661	12,827	14,228
Currently	4,152	4,721	4,580	4,892	5,423	5,649
Formerly	1,981	2,566	2,405	2,571	2,711	2,734
Unknown	127	33	48	61	2	179
Total	14,347	17,767	17,319	18,185	20,963	22,790

TABLE 15

NUMBER OF LIVE BIRTHS, ILLEGITIMATE LIVE BIRTHS
AND ILLEGITIMACY RATIO
STATE OF WASHINGTON
1965-1975

Year	Live Births[1] (Resident)	Illegitimate Live Births[2] (Resident)	Illegitimate Live Births Per 1,000 Live Births
1965	52,806	3,319	62.9
1966	51,777	3,665	70.8
1967	54,875	4,094	74.6
1968	57,206	4,643	81.2
1969	59,354	5,184	87.3
1970	60,499	5,592	92.4
1971	55,304	4,719	85.3
1972	48,250	4,093	84.8
1973	47,636	4,321	90.7
1974	50,096	4,729	94.4
1975	50,821	5,108	100.5

[1]Calendar year data.

[2]Births not conceived or born in wedlock.

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TABLE 16

NUMBER OF INDUCED ABORTIONS, LIVE BIRTHS
AND RATIO OF INDUCED ABORTIONS PER 1,000 LIVE BIRTHS
SELECTED STATES

STATE	YEAR	NUMBER OF INDUCED ABORTIONS	BIRTHS	RATIO PER 1,000 LIVE BIRTHS
California	1968	5,018	339,221	14.8
	1969	15,339	352,937	43.8
	1970	65,369	362,652	180.7
	1971	116,749	329,826	354.0
	1972	138,584	306,375	452.3
	1973	131,870*	297,834	442.8
	1974	135,762[3]	311,668	435.6
	1975	142,067[4]	317,318[3]	447.7
	1976	142,539[4p]	332,239[3,4]	429.0
Colorado	1968	521[2]	36,842	14.1
	1969	1,000[2]	39,189	25.5
	1970	2,581[2]	41,480	62.2
	1971	4,273[2]	40,360	105.9
	1972	5,383[2]	38,585	139.5
	1973	7,451[2]	38,507	193.5
	1974	9,027[2]	39,036	231.2
	1975	9,746[2]	39,991	243.7
	1976	9,937[3]	40,978	242.5
Oregon	1969	1,407	34,486	40.8
	1970	7,196	35,800	201.0
	1971	6,984	33,344	209.5
	1972	7,143	31,308	228.2
	1973	7,447	30,902	241.0
	1974	8,794	32,506	270.5
	1975	10,641	33,352	319.1
	1976	12,590	34,840	361.4
Washington	1971	14,347	55,304	259.4
	1972	17,767	48,250	368.2
	1973	17,319	47,636	363.6
	1974	18,185	50,096	363.0
	1975	20,963	50,821	412.5
	1976[1]	22,790	53,180[1]	428.5

[1]Estimate
[2]Occurence Basis
[3]Provisional
*Does not Include Abortiuns Performed in Private Physician's Offices

FIGURE 4

RATIO OF ABORTIONS PER 1,000 LIVE BIRTHS
BY YEAR - SELECTED STATES

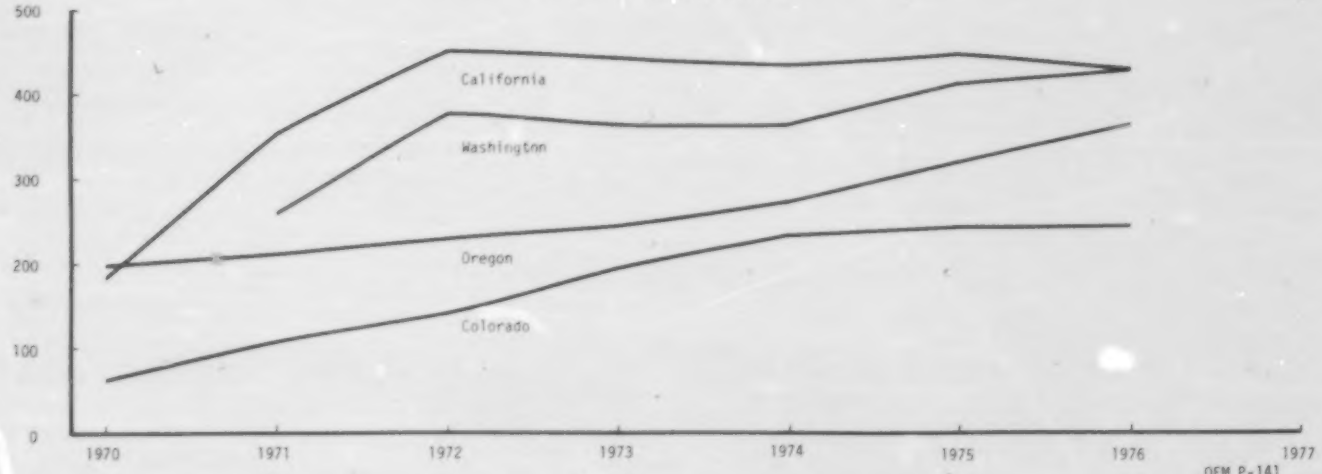

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TABLE 17

MARRIAGES AND DIVORCES/DISSOLUTIONS
STATE OF WASHINGTON
1960-1976

Year	April 1 Population State	Marriages[1]	Crude[2] Marriage Rate	Divorces[1]/ Dissolutions	Crude[2] Divorce Rate
1960	2,853,214	28,230	9.9	9,146	3.2
1961	2,897,000	28,247	9.8	9,355	3.2
1962	2,948,000	29,778	10.1	9,829	3.3
1963	2,972,000	29,320	9.9	9,953	3.3
1964	3,008,000	29,777	9.9	10,864	3.6
1965	3,065,000	31,509	10.3	10,651	3.5
1966	3,125,000	34,567	11.1	11,307	3.6
1967	3,229,000	38,477	11.9	12,836	4.0
1968	3,336,000	40,640	12.2	15,806	4.7
1969	3,397,000	40,966	12.1	16,665	4.9
1970	3,413,250	41,310	12.1	17,881	5.2
1971	3,433,000[3]	40,981	11.9	19,019	5.5
1972	3,426,900[3]	41,618	12.1	20,534	6.0
1973	3,436,800[3]	41,359	12.0	21,369	6.2
1974	3,490,700[3]	41,607	11.9	23,756	6.8
1975	3,536,890[3]	41,767	11.8	25,783	7.3
1976	3,594,591[3]	41,985[4]	11.7	27,072[4]	7.5

[1]Calendar year figures.

[2]Marriages and divorces per 1,000 population.

[3]July 1977 Official Estimates.

[4]Provisional.

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TABLE 18

APRIL 1 POPULATION OF THE STATE AND COUNTIES
REVISED POPULATION SERIES DEVELOPED JULY 1977[1]
STATE OF WASHINGTON
1970-1977

ACTUAL CENSUS*	1970 Census	1971	1972	1973	1974	1975	1976	1977
Washington	3,413,250	3,433,000	3,426,900	3,436,800	3,490,700	3,536,890	3,594,591	3,661,975
Adams	12,014	12,200	12,600	12,800	12,800	13,100	13,709*	13,900
Asotin	13,799	14,100	14,600	14,600	14,900	14,800	14,900	15,400
Benton	67,540	67,700	68,600	69,000	71,200	74,900	80,000	85,400
Chelan	41,103	40,900	40,100	39,900	40,300	40,500	41,200	41,900
Clallam	34,770	35,500	36,100	37,200	38,700	39,700	40,300	41,100
Clark	128,454	132,400	138,000	143,100	148,800	152,800	157,600	164,000
Columbia	4,439	4,500	4,500	4,600	4,600	4,600	4,500	4,600
Cowlitz	68,616	69,300	69,500	69,800	70,600[2]	71,500	72,200	73,200
Douglas	16,787	17,400	17,900	18,000	18,400	18,900	19,300	20,100
Ferry	3,655	3,700	4,000	4,100	4,400	4,600	4,800	5,147*
Franklin	25,816	26,100	26,900	27,100	27,100	27,400	28,500	29,200
Garfield	2,911	3,000	3,200	3,000	2,800	2,800	2,900	2,900
Grant	41,881	42,700	42,700	42,200	42,500	43,300	44,700	45,500
Grays Harbor	59,553	59,900	60,200	60,300	61,200	60,700	60,800	61,400
Island	27,011	27,400	29,500	31,600	33,200	34,700	36,300	37,528*
Jefferson	10,661	10,600	10,700	10,800	11,400	11,700	12,100	12,600
King	1,159,375	1,151,900	1,137,200	1,137,300	1,146,700	1,150,000	1,155,800	1,164,400
Kitsap[3]	101,732	100,300	101,600	102,600	106,100	116,090*	119,300	126,300
Kittitas	25,039	25,500	25,700	25,900	25,800	25,700	25,600	25,600
Klickitat	12,138	12,600	12,900	13,000	13,100	13,500	13,600	13,900
Lewis	45,467	46,200	46,800	47,200	47,900	48,900	49,600	50,600
Lincoln	9,572	9,500	9,800	9,700	9,500	9,600	9,800	9,800
Mason	20,918	21,100	21,200	21,500	22,000	23,000	23,900	24,600
Okanogan	25,867	26,300	26,600	26,200	26,100	26,800	27,200	27,800
Pacific	15,796	15,600	15,600	15,700	16,200	16,300	15,800	16,000
Pend Oreille	6,025	6,200	6,600	6,800	7,200	7,600	7,700	8,000
Pierce	412,344	420,500	404,100	397,700	408,300	414,200	419,000	422,400
San Juan	3,856	4,100	4,600	5,000	5,400	5,400	5,700[4]	6,100
Skagit	52,381	52,700	52,700	52,900	53,500	54,200	55,200	56,000
Skamania	5,845	5,900	6,100	6,100	6,300	6,000	6,000	6,100
Snohomish	265,236	264,200	262,000	263,300	264,200	263,700	271,400	278,200
Spokane	287,487	290,600	294,200	294,500	298,000	299,400	302,000	308,200
Stevens	17,405	17,600	18,400	19,200	19,700	21,200	22,900[5]	24,300
Thurston	76,894	79,000	81,500	83,500	87,200	89,900	95,600	101,000
Wahkiakum	3,592	3,600	3,800	3,700	3,600	3,700	3,682*	3,800
Walla Walla	42,176	42,400	42,200	42,200	42,400	42,900	43,200	43,800
Whatcom	81,983	83,900	85,900	86,300	87,500	89,000	91,500	93,600
Whitman	37,900	38,800	39,200	39,500	40,000	40,600	41,500	41,900
Yakima	145,212	147,100	149,100	148,900	151,100	153,200	154,600	155,700

[1]These revised estimates for the state and counties were developed from the most current data available as of July, 1977 and are presented to better reflect annual changes. For the official April 1 estimates, which are not revised on the basis of post estimate date information, see Table 1.

[2]The population of Cowlitz county as counted in the September 13, 1973 special census was 70,408. The 1974 estimate reflects this count.

[3]Estimates for Bremerton and Kitsap county include population on non-homeported naval ships docked at the Puget Sound Naval Shipyard on April 1. The 1970 Federal Census did not allocate this population to Bremerton, Kitsap county, or the State of Washington.

[4]The population of San Juan county as counted in the September 22, 1975 special census was 5,493. The 1976 estimate reflects this count.

[5]The population of Stevens county as counted in the September 25, 1975 special census was 22,708. The 1976 estimate reflects this count.

TABLE 19

CORRECTED 1970 POPULATION BY COUNTY
BY FIVE YEAR AGE GROUPS, BY SEX
STATE OF WASHINGTON

	TOTAL POPULATION			WHITE POPULATION			BLACK POPULATION			OTHER NON-WHITE POPULATION		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
STATE TOTAL	3,413,244	1,695,784	1,717,460	3,260,955	1,617,943	1,643,012	71,463	37,919	33,544	80,826	39,922	40,904
0 - 4	280,875	143,194	137,681	264,924	135,273	129,651	7,789	3,915	3,874	8,162	4,006	4,156
5 - 9	329,044	168,274	160,770	311,656	159,574	152,082	8,359	4,177	4,182	9,029	4,523	4,506
10 - 14	349,562	178,712	170,850	332,086	170,003	162,083	8,455	4,171	4,284	9,021	4,538	4,483
15 - 19	330,510	169,153	161,357	314,583	160,682	153,901	7,471	4,078	3,393	8,456	4,393	4,063
20 - 24	296,500	148,936	147,564	280,196	139,800	140,396	8,277	5,031	3,246	8,027	4,105	3,922
25 - 29	239,138	120,953	118,185	227,983	115,285	112,698	5,142	2,878	2,264	6,013	2,790	3,223
30 - 34	193,731	97,536	96,195	184,294	92,874	91,420	4,129	2,186	1,943	5,308	2,476	2,832
35 - 39	181,315	90,636	90,679	172,401	86,505	85,896	3,740	2,020	1,720	5,174	2,111	3,063
40 - 44	193,141	95,466	97,675	184,213	91,328	92,885	3,995	2,089	1,906	4,933	2,049	2,884
45 - 49	204,234	100,222	104,012	196,918	96,131	99,787	3,950	2,013	1,937	4,366	2,078	2,288
50 - 54	189,085	94,102	94,983	182,835	90,803	92,032	3,191	1,750	1,441	3,059	1,549	1,510
55 - 59	167,147	82,865	84,282	162,166	80,060	82,106	2,447	1,335	1,112	2,534	1,470	1,064
60 - 64	138,250	67,484	70,766	134,375	65,171	69,204	1,719	922	797	2,156	1,391	765
65 - 69	107,159	50,137	57,022	104,260	48,444	55,816	1,157	610	547	1,742	1,083	659
70 - 74	84,464	36,577	47,887	82,549	35,693	46,856	744	349	395	1,171	535	636
75 - 79	62,732	25,860	36,872	61,554	25,346	36,208	439	195	244	739	319	420
80 - 84	40,412	16,123	24,289	39,579	15,712	23,867	262	111	151	571	300	271
85+	25,945	9,554	16,391	25,383	9,259	16,124	197	89	108	365	206	159
ADAMS TOTAL	12,014	6,049	5,965	11,844	5,957	5,887	46	26	20	124	66	58
0 - 4	1,088	542	546	1,075	538	537	1	-	1	12	4	8
5 - 9	1,350	678	672	1,334	671	663	3	-	3	13	7	6
10 - 14	1,498	785	713	1,481	773	708	4	3	1	13	9	4
15 - 19	1,230	622	608	1,203	612	591	9	3	6	18	7	11
20 - 24	727	341	386	717	333	384	1	-	1	9	8	1
25 - 29	754	364	390	748	362	386	-	-	-	6	2	4
30 - 34	660	322	338	650	317	333	1	-	1	9	5	4
35 - 39	708	333	375	697	329	368	1	1	-	10	3	7
40 - 44	716	379	337	700	370	330	5	3	2	11	6	5
45 - 49	750	361	389	735	352	383	7	4	3	8	5	3
50 - 54	684	379	305	671	369	302	7	6	1	6	4	2
55 - 59	565	292	273	561	289	272	2	2	-	2	1	1
60 - 64	427	235	192	421	230	191	4	4	-	2	1	1
65 - 69	345	184	161	344	183	161	-	-	-	1	1	-
70 - 74	207	107	100	205	106	99	1	-	1	1	1	-
75 - 79	145	52	93	143	51	92	-	-	-	2	1	1
80 - 84	110	52	58	109	51	58	-	-	-	1	1	-
85+	50	21	29	50	21	29	-	-	-	-	-	-
ASOTIN TOTAL	13,799	6,650	7,149	13,694	6,604	7,090	14	8	6	91	38	53
0 - 4	1,076	565	511	1,058	556	502	2	1	1	16	8	8
5 - 9	1,380	732	648	1,358	720	638	2	2	-	20	10	10
10 - 14	1,530	750	780	1,512	744	768	4	2	2	14	4	10
15 - 19	1,308	675	633	1,302	673	629	1	-	1	5	2	3
20 - 24	748	326	422	741	325	416	-	-	-	7	1	6
25 - 29	698	337	361	694	336	358	-	-	-	4	1	3
30 - 34	723	326	397	717	324	393	-	-	-	6	2	4
35 - 39	739	356	383	733	353	380	2	1	1	4	2	2
40 - 44	781	398	383	778	395	383	1	1	-	2	2	-
45 - 49	775	373	402	773	372	401	-	-	-	2	1	1
50 - 54	774	379	395	772	377	395	-	-	-	2	2	-
55 - 59	702	336	366	698	334	364	-	-	-	4	2	2
60 - 64	634	299	335	631	299	332	-	-	-	3	-	3
65 - 69	562	257	305	561	256	305	-	-	-	1	1	-
70 - 74	510	195	315	509	194	315	1	1	-	-	-	-
75 - 79	368	156	212	367	156	211	-	-	-	1	-	1
80 - 84	295	118	177	294	118	176	1	-	1	-	-	-
85+	196	72	124	196	72	124	-	-	-	-	-	-
BENTON TOTAL	67,540	33,358	34,182	66,582	32,881	33,701	437	217	220	521	260	261
0 - 4	5,715	2,920	2,795	5,558	2,842	2,716	79	41	38	78	37	41
5 - 9	7,604	3,844	3,760	7,479	3,777	3,702	51	26	25	74	41	33
10 - 14	7,992	4,009	3,983	7,865	3,952	3,913	57	24	33	70	33	37
15 - 19	6,919	3,554	3,365	6,833	3,512	3,321	47	26	21	39	16	23
20 - 24	3,835	1,699	2,136	3,740	1,657	2,083	56	20	36	39	22	17
25 - 29	4,198	1,959	2,239	4,124	1,923	2,201	43	25	18	31	11	20
30 - 34	4,086	2,001	2,085	4,016	1,967	2,049	23	12	11	47	22	25
35 - 39	3,790	1,850	1,940	3,729	1,813	1,916	25	17	8	36	20	16
40 - 44	4,245	2,096	2,149	4,194	2,078	2,116	20	3	17	31	15	16
45 - 49	4,361	2,134	2,227	4,323	2,114	2,209	16	9	7	22	11	11
50 - 54	4,034	1,966	2,068	4,014	1,954	2,060	6	4	2	14	8	6
55 - 59	3,651	1,886	1,765	3,628	1,873	1,755	6	4	2	17	9	8
60 - 64	2,742	1,410	1,332	2,730	1,401	1,329	2	1	1	10	8	2
65 - 69	1,792	886	906	1,781	880	901	2	2	-	9	4	5
70 - 74	1,118	538	580	1,115	536	579	1	1	-	2	1	1
75 - 79	758	336	422	755	334	421	1	-	1	2	2	-
80 - 84	441	189	252	439	187	252	2	2	-	-	-	-
85+	259	81	178	259	81	178	-	-	-	-	-	-

TABLE 19

CORRECTED 1970 POPULATION BY COUNTY
BY FIVE YEAR AGE GROUPS, BY SEX
STATE OF WASHINGTON

	TOTAL POPULATION			WHITE POPULATION			BLACK POPULATION			OTHER NON-WHITE POPULATION		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
CHELAN												
TOTAL	41,103	20,081	21,022	40,671	19,854	20,817	42	22	20	390	205	185
0 - 4	2,844	1,400	1,444	2,794	1,373	1,421	3	3	-	47	24	23
5 - 9	3,637	1,909	1,728	3,576	1,874	1,702	6	1	5	55	34	21
10 - 14	4,165	2,086	2,079	4,122	2,067	2,055	1	1	-	42	18	24
15 - 19	4,181	2,129	2,052	4,133	2,099	2,034	2	1	1	46	29	17
20 - 24	2,486	1,138	1,348	2,456	1,120	1,336	2	2	-	28	16	12
25 - 29	2,183	1,070	1,113	2,159	1,059	1,100	1	1	-	23	10	13
30 - 34	2,072	1,005	1,067	2,044	994	1,050	2	-	2	26	11	15
35 - 39	2,077	988	1,089	2,055	974	1,081	1	1	-	21	13	8
40 - 44	2,381	1,132	1,249	2,365	1,121	1,244	1	1	-	15	10	5
45 - 49	2,640	1,327	1,313	2,618	1,318	1,300	2	-	2	20	9	11
50 - 54	2,507	1,206	1,301	2,485	1,198	1,287	6	3	3	16	5	11
55 - 59	2,439	1,212	1,227	2,410	1,196	1,214	6	3	3	23	13	10
60 - 64	2,275	1,129	1,146	2,263	1,123	1,140	3	2	1	9	4	5
65 - 69	1,833	889	944	1,825	884	941	2	2	-	6	3	3
70 - 74	1,388	621	767	1,380	617	763	2	1	1	6	3	3
75 - 79	963	433	530	960	431	529	1	-	1	2	2	-
80 - 84	592	239	353	589	239	350	1	-	1	2	-	2
85+	440	168	272	437	167	270	-	-	-	3	1	2
CLALLAM												
TOTAL	34,770	17,412	17,358	33,176	16,606	16,570	53	32	21	1,541	774	767
0 - 4	2,669	1,331	1,338	2,444	1,221	1,223	11	4	7	214	106	108
5 - 9	3,311	1,656	1,655	3,069	1,544	1,525	4	4	-	238	108	130
10 - 14	3,614	1,917	1,697	3,391	1,795	1,596	6	4	2	217	118	99
15 - 19	3,196	1,651	1,545	3,038	1,577	1,461	4	3	1	154	71	83
20 - 24	2,151	1,083	1,068	2,018	1,014	1,004	9	7	2	124	62	62
25 - 29	2,019	1,008	1,011	1,924	966	958	4	3	1	91	39	52
30 - 34	1,808	916	892	1,694	864	830	3	3	-	111	49	63
35 - 39	1,764	858	906	1,689	816	873	-	-	-	75	42	33
40 - 44	1,874	941	933	1,810	906	904	3	1	2	61	34	27
45 - 49	2,057	992	1,065	1,995	956	1,039	2	1	1	10	35	25
50 - 54	2,129	1,034	1,095	2,071	1,005	1,066	2	-	2	56	29	27
55 - 59	2,048	1,013	1,035	2,005	986	1,019	1	1	-	42	26	16
60 - 64	1,775	879	896	1,750	868	882	2	1	1	23	10	13
65 - 69	1,603	845	758	1,576	826	750	-	-	-	27	19	8
70 - 74	1,176	572	604	1,159	564	595	-	-	-	17	8	9
75 - 79	768	372	396	749	363	386	-	-	-	19	9	10
80 - 84	476	215	261	467	209	258	1	-	1	8	6	2
85+	332	129	203	327	126	201	1	-	1	4	3	1
CLARK												
TOTAL	128,454	62,968	65,486	127,063	62,259	64,804	569	309	260	822	400	422
0 - 4	11,633	5,943	5,690	11,481	5,862	5,619	68	38	30	84	43	41
5 - 9	13,482	6,906	6,576	13,337	6,835	6,502	52	23	29	93	48	45
10 - 14	13,706	7,147	6,559	13,557	7,068	6,489	57	29	28	92	50	42
15 - 19	11,879	5,843	5,992	11,699	5,776	5,923	58	31	27	78	36	42
20 - 24	9,177	4,062	5,115	9,031	3,992	5,039	60	28	32	86	42	44
25 - 29	9,286	4,614	4,672	9,179	4,562	4,617	40	22	18	67	30	37
30 - 34	7,595	3,737	3,858	7,502	3,688	3,814	29	21	8	64	28	36
35 - 39	6,706	3,360	3,346	6,638	3,323	3,305	27	17	10	51	20	31
40 - 44	7,229	3,564	3,665	7,144	3,525	3,619	33	14	19	52	25	27
45 - 49	7,518	3,654	3,864	7,436	3,605	3,831	32	18	14	50	31	19
50 - 54	7,149	3,518	3,650	7,099	3,478	3,621	37	24	13	32	17	16
55 - 59	6,374	3,143	3,231	6,321	3,117	3,204	30	16	14	23	10	13
60 - 64	5,154	2,502	2,652	5,120	2,479	2,641	18	12	6	16	11	5
65 - 69	3,884	1,814	2,070	3,862	1,805	2,057	14	7	7	8	2	6
70 - 74	3,050	1,405	1,645	3,036	1,399	1,637	4	4	-	10	2	8
75 - 79	2,201	853	1,348	2,187	847	1,340	6	3	3	8	3	5
80 - 84	1,516	583	933	1,508	580	928	3	2	1	5	1	4
85+	940	320	620	936	318	618	1	-	1	3	2	1
COLUMBIA												
TOTAL	4,439	2,289	2,150	4,420	2,280	2,140	4	3	1	15	6	9
0 - 4	287	143	144	285	142	143	-	-	-	2	1	1
5 - 9	352	171	181	349	168	181	2	2	-	1	1	-
10 - 14	425	212	213	423	211	212	-	-	-	2	1	1
15 - 19	400	232	168	399	231	168	-	-	-	1	1	-
20 - 24	220	116	104	220	116	104	-	-	-	-	-	-
25 - 29	217	114	103	214	113	101	-	-	-	3	1	2
30 - 34	225	121	104	224	121	103	-	-	-	1	-	1
35 - 39	215	111	104	213	111	102	-	-	-	2	-	2
40 - 44	266	151	115	264	150	114	-	-	-	2	1	1
45 - 49	285	157	128	285	157	128	-	-	-	-	-	-
50 - 54	326	175	151	325	175	150	-	-	-	1	-	1
55 - 59	288	142	146	288	142	146	-	-	-	-	-	-
60 - 64	265	145	120	263	144	119	2	1	1	-	-	-
65 - 69	214	93	121	214	93	121	-	-	-	-	-	-
70 - 74	193	91	102	193	91	102	-	-	-	-	-	-
75 - 79	114	57	57	114	57	57	-	-	-	-	-	-
80 - 84	82	35	47	82	35	47	-	-	-	-	-	-
85+	65	23	42	65	23	42	-	-	-	-	-	-

TABLE 19

CORRECTED 1970 POPULATION BY COUNTY
BY FIVE YEAR AGE GROUPS, BY SEX
STATE OF WASHINGTON

	TOTAL POPULATION			WHITE POPULATION			BLACK POPULATION			OTHER NON-WHITE POPULATION		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
COWLITZ												
TOTAL	68,616	34,136	34,480	67,898	33,792	34,106	109	56	53	609	288	321
0 - 4	6,309	3,178	3,131	6,216	3,131	3,085	11	6	5	82	41	41
5 - 9	7,049	3,665	3,384	6,961	3,617	3,344	7	3	4	81	45	36
10 - 14	7,221	3,753	3,468	7,127	3,708	3,419	13	6	7	81	39	42
15 - 19	6,559	3,278	3,281	6,484	3,237	3,247	20	12	8	55	29	26
20 - 24	5,023	2,294	2,729	4,955	2,264	2,691	13	8	5	55	22	33
25 - 29	4,737	2,395	2,342	4,677	2,365	2,312	3	2	1	57	28	29
30 - 34	3,861	1,925	1,936	3,824	1,913	1,911	2	2	-	35	10	25
35 - 39	3,677	1,829	1,848	3,647	1,817	1,830	1	-	1	29	12	17
40 - 44	3,944	1,993	1,951	3,900	1,973	1,927	11	5	6	33	15	18
45 - 49	4,032	2,016	2,016	3,990	1,993	1,997	4	3	1	38	20	18
50 - 54	3,788	1,871	1,917	3,770	1,867	1,903	3	-	3	15	4	11
55 - 59	3,499	1,813	1,686	3,485	1,807	1,678	3	1	2	11	5	6
60 - 64	2,950	1,466	1,484	2,930	1,455	1,475	7	5	2	13	6	7
65 - 69	2,091	998	1,093	2,082	993	1,089	3	1	2	6	4	2
70 - 74	1,584	714	870	1,578	711	867	-	-	-	6	3	3
75 - 79	1,218	527	691	1,206	524	682	4	-	4	8	3	5
80 - 84	685	286	399	679	284	395	3	1	2	3	1	2
85+	389	135	254	387	133	254	1	1	-	1	1	-
DOUGLAS												
TOTAL	16,787	8,361	8,426	16,601	8,274	8,327	16	7	9	170	80	90
0 - 4	1,293	635	658	1,263	618	645	7	3	4	23	14	9
5 - 9	1,736	889	847	1,714	878	836	-	-	-	22	11	11
10 - 14	1,931	999	932	1,900	985	915	-	-	-	31	14	17
15 - 19	1,655	847	808	1,645	844	801	-	-	-	10	3	7
20 - 24	920	399	521	908	396	512	1	-	1	11	3	8
25 - 29	1,025	485	540	1,010	480	530	1	-	1	14	5	9
30 - 34	1,022	492	530	1,015	487	528	1	1	-	6	4	2
35 - 39	1,023	517	506	1,012	515	497	1	-	1	10	2	8
40 - 44	1,026	513	513	1,016	510	506	-	-	-	10	3	7
45 - 49	995	488	507	990	486	504	-	-	-	5	2	3
50 - 54	1,006	524	482	999	518	481	2	2	-	5	4	1
55 - 59	913	477	436	903	473	430	2	1	1	8	3	5
60 - 64	746	390	356	740	385	355	-	-	-	6	5	1
65 - 69	541	288	253	536	285	251	1	-	1	4	3	1
70 - 74	400	181	219	399	181	218	-	-	-	1	-	1
75 - 79	289	129	160	286	126	160	-	-	-	3	3	-
80 - 84	161	73	88	161	73	88	-	-	-	-	-	-
85+	105	35	70	104	34	70	-	-	-	-	-	-
FERRY												
TOTAL	3,655	1,988	1,667	2,941	1,564	1,377	84	82	2	630	342	288
0 - 4	301	151	150	255	123	122	1	1	-	45	17	28
5 - 9	366	188	178	303	157	146	1	1	-	62	30	32
10 - 14	403	221	182	329	179	150	-	-	-	74	42	32
15 - 19	468	314	154	296	176	120	71	71	-	101	67	34
20 - 24	196	94	102	116	70	86	8	8	-	32	16	16
25 - 29	229	114	115	194	93	101	-	-	-	35	21	14
30 - 34	213	116	97	176	97	79	3	1	2	34	18	16
35 - 39	178	107	71	140	83	57	-	-	-	38	24	14
40 - 44	175	86	89	139	69	70	-	-	-	36	17	19
45 - 49	223	107	116	179	83	96	-	-	-	44	24	20
50 - 54	210	104	106	181	87	94	-	-	-	29	17	12
55 - 59	203	114	89	179	101	78	-	-	-	24	13	11
60 - 64	171	97	74	150	85	65	-	-	-	21	12	9
65 - 69	121	73	48	103	65	38	-	-	-	18	8	10
70 - 74	85	46	39	71	38	33	-	-	-	14	8	6
75 - 79	61	32	29	47	27	20	-	-	-	14	5	9
80 - 84	34	17	17	30	15	15	-	-	-	4	2	2
85+	18	7	11	13	6	7	-	-	-	5	1	4
FRANKLIN												
TOTAL	25,816	12,973	12,843	24,122	12,119	12,003	1,388	679	709	306	175	131
0 - 4	2,253	1,117	1,136	2,053	1,022	1,031	157	68	89	43	27	16
5 - 9	2,637	1,357	1,280	2,415	1,241	1,174	183	96	87	39	20	19
10 - 14	3,132	1,624	1,508	2,907	1,514	1,393	188	87	101	37	23	14
15 - 19	2,898	1,499	1,399	2,714	1,405	1,309	152	78	74	32	16	16
20 - 24	1,814	932	878	1,681	865	816	101	47	54	32	24	8
25 - 29	1,536	740	796	1,456	703	753	58	26	32	22	11	11
30 - 34	1,244	596	648	1,184	568	616	47	23	24	13	5	8
35 - 39	1,376	662	714	1,300	635	665	54	19	35	22	8	14
40 - 44	1,656	769	887	1,579	733	846	62	28	34	15	8	7
45 - 49	1,752	891	861	1,659	846	813	78	36	42	15	9	6
50 - 54	1,622	853	769	1,517	791	726	93	54	39	12	8	4
55 - 59	1,261	667	594	1,183	624	559	71	38	33	7	5	2
60 - 64	946	507	439	877	470	407	65	35	30	4	2	2
65 - 69	589	297	292	548	274	274	37	21	16	4	2	2
70 - 74	457	196	261	426	181	245	25	10	15	6	5	1
75 - 79	345	144	201	332	134	198	12	9	3	1	1	-
80 - 84	185	74	111	179	70	109	4	3	1	2	1	1
85+	113	44	69	112	43	69	1	1	-	-	-	-

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CORRECTED 1970 POPULATION BY COUNTY
BY FIVE YEAR AGE GROUPS, BY SEX
STATE OF WASHINGTON

	TOTAL POPULATION			WHITE POPULATION			BLACK POPULATION			OTHER NON-WHITE POPULATION		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
GARFIELD												
TOTAL	2,911	1,447	1,464	2,906	1,443	1,463	-	-	-	5	4	1
0 - 4	161	89	72	160	89	71	-	-	-	1	-	1
5 - 9	274	137	137	274	137	137	-	-	-	-	-	-
10 - 14	353	191	162	353	191	162	-	-	-	-	-	-
15 - 19	306	163	143	306	163	143	-	-	-	-	-	-
20 - 24	86	39	47	85	38	47	-	-	-	1	1	-
25 - 29	129	58	71	129	58	71	-	-	-	-	-	-
30 - 34	141	67	74	140	66	74	-	-	-	1	1	-
35 - 39	178	89	89	178	89	89	-	-	-	-	-	-
40 - 44	161	75	86	161	75	86	-	-	-	-	-	-
45 - 49	213	107	106	213	107	106	-	-	-	-	-	-
50 - 54	213	112	101	213	112	101	-	-	-	-	-	-
55 - 59	205	102	103	204	101	103	-	-	-	1	1	-
60 - 64	126	66	60	125	65	60	-	-	-	1	1	-
65 - 69	104	52	52	104	52	52	-	-	-	-	-	-
70 - 74	86	43	43	86	43	43	-	-	-	-	-	-
75 - 79	88	29	59	88	29	59	-	-	-	-	-	-
80 - 84	52	19	33	52	19	33	-	-	-	-	-	-
85+	35	9	26	35	9	26	-	-	-	-	-	-
GRANT												
TOTAL	41,881	21,152	20,729	40,378	20,322	20,056	656	404	252	847	426	421
0 - 4	3,696	1,843	1,853	3,560	1,787	1,773	66	30	36	70	26	44
5 - 9	4,730	2,427	2,303	4,581	2,357	2,224	70	34	36	79	36	43
10 - 14	5,291	2,695	2,596	5,099	2,609	2,490	72	33	39	120	53	67
15 - 19	4,614	2,509	2,105	4,329	2,284	2,045	158	144	14	127	81	46
20 - 24	2,540	1,185	1,355	2,440	1,124	1,316	38	27	11	62	34	28
25 - 29	2,364	1,154	1,210	2,291	1,118	1,173	15	4	11	58	32	26
30 - 34	2,257	1,096	1,161	2,195	1,067	1,128	23	9	14	39	20	19
35 - 39	2,276	1,075	1,201	2,193	1,038	1,155	22	9	13	61	28	33
40 - 44	2,553	1,248	1,305	2,458	1,205	1,253	37	19	18	58	24	34
45 - 49	2,622	1,291	1,331	2,506	1,234	1,272	44	21	23	72	36	36
50 - 54	2,434	1,274	1,160	2,374	1,234	1,140	27	22	5	33	18	15
55 - 59	2,098	1,098	1,000	2,043	1,063	980	32	24	8	23	11	12
60 - 64	1,522	801	721	1,490	789	701	18	5	13	14	7	7
65 - 69	1,096	585	511	1,067	565	502	19	13	6	10	7	3
70 - 74	812	406	406	793	393	400	10	8	2	9	5	4
75 - 79	484	252	232	478	250	228	2	1	1	4	1	3
80 - 84	291	117	174	287	114	173	1	1	-	3	2	1
85+	201	96	105	194	91	103	2	-	2	5	5	-
GRAYS HARBOR												
TOTAL	59,553	29,741	29,812	57,745	28,824	28,921	36	19	17	1,772	898	874
0 - 4	4,987	2,527	2,460	4,765	2,421	2,344	3	1	2	219	105	114
5 - 9	5,655	2,938	2,717	5,403	2,808	2,595	6	1	5	246	192	117
10 - 14	6,060	3,120	2,940	5,822	3,002	2,820	2	1	1	236	117	119
15 - 19	5,721	2,903	2,818	5,532	2,807	2,725	4	4	-	185	92	93
20 - 24	3,898	1,876	2,022	3,761	1,806	1,955	3	2	1	134	68	66
25 - 29	3,579	1,824	1,755	3,452	1,768	1,684	2	1	1	125	55	70
30 - 34	3,052	1,521	1,531	2,920	1,457	1,463	4	3	1	128	61	67
35 - 39	2,881	1,429	1,452	2,780	1,379	1,401	-	-	-	101	50	51
40 - 44	3,308	1,654	1,654	3,204	1,596	1,608	3	1	2	101	57	44
45 - 49	3,566	1,743	1,823	3,502	1,713	1,789	-	-	-	64	30	34
50 - 54	3,561	1,781	1,780	3,502	1,751	1,751	3	2	1	56	28	28
55 - 59	3,620	1,803	1,817	3,574	1,778	1,796	-	-	-	46	25	21
60 - 64	2,905	1,496	1,409	2,849	1,464	1,385	3	1	2	53	31	22
65 - 69	2,232	1,091	1,141	2,199	1,068	1,131	2	1	1	31	22	9
70 - 74	1,818	822	996	1,797	809	988	-	-	-	21	13	8
75 - 79	1,296	570	726	1,282	563	719	1	1	-	13	6	7
80 - 84	893	428	465	885	422	463	-	-	-	8	6	2
85+	521	215	306	516	212	304	-	-	-	5	3	2
ISLAND												
TOTAL	27,011	14,079	12,932	26,239	13,701	12,538	272	157	115	500	221	279
0 - 4	2,334	1,187	1,147	2,238	1,139	1,099	38	16	22	58	32	26
5 - 9	2,730	1,362	1,368	2,622	1,301	1,321	46	22	24	62	39	23
10 - 14	2,677	1,340	1,337	2,618	1,311	1,307	27	12	15	32	17	15
15 - 19	2,240	1,212	1,028	2,187	1,181	1,006	18	14	4	35	17	18
20 - 24	3,359	2,251	1,108	3,254	2,178	1,076	50	42	8	55	31	24
25 - 29	1,931	968	963	1,842	937	905	38	15	23	51	16	35
30 - 34	1,730	920	810	1,627	871	756	41	27	14	62	22	40
35 - 39	1,344	690	654	1,284	665	619	5	4	1	55	21	34
40 - 44	1,206	582	624	1,166	573	593	3	1	2	37	8	29
45 - 49	1,456	706	750	1,432	699	733	1	1	-	23	6	17
50 - 54	1,315	625	690	1,301	619	682	1	1	-	13	5	8
55 - 59	1,148	541	607	1,143	540	603	3	1	2	2	-	2
60 - 64	1,076	500	576	1,074	500	574	-	-	-	2	-	2
65 - 69	963	476	487	960	474	486	-	-	-	3	2	1
70 - 74	656	341	315	651	338	313	-	-	-	5	3	2
75 - 79	456	197	259	453	195	258	-	-	-	3	2	1
80 - 84	234	115	119	233	115	118	-	-	-	1	-	1
85+	156	66	90	154	65	89	1	1	-	1	-	1

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CORRECTED 1970 POPULATION BY COUNTY
BY FIVE YEAR AGE GROUPS, BY SEX
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	TOTAL POPULATION			WHITE POPULATION			BLACK POPULATION			OTHER NON-WHITE POPULATION		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
JEFFERSON												
TOTAL	10,661	5,450	5,211	10,271	5,254	5,017	28	17	11	362	179	183
0 - 4	734	359	375	696	345	351	1	-	1	37	14	23
5 - 9	930	493	437	881	467	414	-	-	-	49	26	23
10 - 14	1,103	568	535	1,061	550	511	5	2	3	37	16	21
15 - 19	1,070	562	508	1,018	535	483	15	10	5	37	17	20
20 - 24	572	307	265	534	281	253	2	2	-	36	24	12
25 - 29	595	302	293	566	288	278	1	1	-	28	13	15
30 - 34	491	251	240	467	235	232	-	-	-	24	16	8
35 - 39	512	255	257	487	244	243	1	-	1	24	11	13
40 - 44	601	310	291	582	302	280	-	-	-	19	8	11
45 - 49	644	307	337	631	300	331	-	-	-	13	7	6
50 - 54	608	321	287	595	315	280	1	1	-	12	5	7
55 - 59	696	335	361	678	326	352	-	-	-	18	9	9
60 - 64	692	339	353	680	335	345	-	-	-	12	4	8
65 - 69	543	301	242	534	296	238	2	1	1	7	4	3
70 - 74	395	199	196	392	197	195	-	-	-	3	2	1
75 - 79	272	144	128	269	142	127	-	-	-	3	2	1
80 - 84	119	59	60	116	58	58	-	-	-	3	1	2
85+	84	38	46	84	38	46	-	-	-	-	-	-
KING												
TOTAL	1,159,369	566,764	592,605	1,080,907	527,602	553,305	40,693	20,300	20,393	37,769	18,862	18,907
0 - 4	95,118	48,745	46,373	87,045	44,684	42,361	4,580	2,334	2,246	3,493	1,727	1,766
5 - 9	109,433	56,184	53,249	100,878	51,897	48,981	4,724	2,355	2,369	3,831	1,932	1,899
10 - 14	114,458	58,268	56,190	105,917	53,998	51,919	4,815	2,397	2,418	3,726	1,873	1,853
15 - 19	102,762	50,906	51,856	95,499	47,326	48,173	3,817	1,844	1,973	3,446	1,736	1,710
20 - 24	102,397	45,958	56,439	96,129	42,634	53,495	3,761	1,709	2,052	3,507	1,615	1,892
25 - 29	91,866	46,155	45,711	85,846	43,160	42,686	2,945	1,539	1,406	3,075	1,456	1,619
30 - 34	71,213	36,482	34,731	66,208	34,003	32,205	2,358	1,181	1,177	2,647	1,298	1,349
35 - 39	64,105	32,476	31,629	59,617	30,359	29,258	2,073	1,063	1,010	2,415	1,054	1,361
40 - 44	67,640	33,528	34,112	62,810	31,276	31,534	2,384	1,178	1,206	2,446	1,074	1,372
45 - 49	73,761	36,287	37,474	68,853	33,901	34,952	2,544	1,245	1,299	2,364	1,141	1,223
50 - 54	65,394	32,401	32,993	61,677	30,451	31,226	2,113	1,116	997	1,604	834	770
55 - 59	55,825	27,526	28,299	52,869	25,848	27,021	1,613	862	751	1,343	816	527
60 - 64	44,039	21,259	22,780	41,666	19,810	21,856	1,138	596	542	1,235	853	382
65 - 69	33,277	14,947	18,330	31,529	13,886	17,643	760	392	368	988	669	319
70 - 74	26,185	10,446	15,739	25,047	9,923	15,124	478	228	250	660	295	365
75 - 79	19,910	7,447	12,463	19,185	7,134	12,051	303	140	163	422	173	249
80 - 84	13,364	4,841	8,523	12,851	4,589	8,262	162	66	96	351	186	165
85+	8,622	2,908	5,714	8,281	2,723	5,558	125	55	70	216	130	86
KITSAP												
TOTAL	101,732	52,149	49,583	97,905	50,084	47,821	1,451	826	625	2,376	1,239	1,137
0 - 4	8,120	4,090	4,030	7,716	3,898	3,818	150	81	69	254	111	143
5 - 9	9,[illegible]	4,[illegible]	4,480	8,889	4,631	4,258	157	69	88	270	136	134
10 - 14	[illegible],773	4,960	4,793	9,338	4,746	4,592	160	83	77	275	151	124
15 - 19	9,514	5,059	4,455	9,070	4,822	4,248	182	102	80	262	135	127
20 - 24	9,743	5,889	3,854	9,250	5,553	3,697	234	177	57	259	159	100
25 - 29	6,773	3,580	3,193	6,499	3,429	3,070	96	50	46	178	101	77
30 - 34	5,497	2,867	2,630	5,235	2,741	2,494	88	51	37	174	75	99
35 - 39	[illegible],206	2,646	2,562	4,979	[illegible]	2,441	63	38	25	166	70	96
40 - 44	5,618	2,769	2,849	5,429	2,686	2,743	57	33	24	132	50	82
45 - 49	6,217	3,094	3,123	6,069	3,027	3,042	55	25	30	93	42	51
50 - 54	6,037	2,983	3,054	5,900	2,913	2,987	70	40	30	67	30	37
55 - 59	5,374	2,672	2,702	5,252	2,592	2,660	55	31	24	67	49	18
60 - 64	4,593	2,255	2,338	4,491	2,181	2,310	31	15	16	71	59	12
65 - 69	3,569	1,694	1,875	3,500	1,644	1,856	17	11	6	52	39	13
70 - 74	2,672	1,221	1,451	2,629	1,197	1,432	20	10	10	23	14	9
75 - 79	1,848	791	1,057	1,825	779	1,046	12	7	5	11	5	6
80 - 84	1,136	466	670	1,116	455	661	2	1	1	18	10	8
85+	724	257	467	718	252	466	2	2	-	4	3	1
KITTITAS												
TOTAL	25,039	12,511	12,528	24,665	12,328	12,337	71	44	27	303	139	164
0 - 4	1,678	901	777	1,657	891	766	4	3	1	17	7	10
5 - 9	1,790	916	874	1,770	905	865	7	3	4	13	8	5
10 -14	1,952	1,028	924	1,931	1,018	913	4	2	2	17	8	9
15 - 19	3,254	1,437	1,817	3,175	1,407	1,768	12	6	6	67	24	43
20 - 24	4,929	2,510	2,419	4,793	2,441	2,352	27	20	7	109	49	60
25 - 29	1,661	947	714	1,638	933	705	3	3	-	20	11	9
30 - 34	1,128	570	558	1,107	559	548	3	1	2	18	10	8
35 - 39	950	483	467	941	479	464	1	1	-	8	5	3
40 - 44	1,035	516	519	1,029	513	516	1	1	-	5	2	3
45 - 49	1,125	541	584	1,116	537	579	-	-	-	9	4	5
50 - 54	1,169	579	590	1,164	576	588	1	1	-	4	2	2
55 - 59	1,157	590	567	1,148	584	564	2	1	1	7	5	2
60 - 64	950	466	484	947	465	482	1	-	1	2	1	1
65 - 69	741	362	379	737	360	377	1	1	-	3	1	2
70 - 74	595	271	324	590	269	321	2	1	1	3	1	2
75 - 79	479	198	281	479	198	281	-	-	-	-	-	-
80 - 84	284	122	162	282	122	160	2	-	2	-	-	-
85+	162	74	88	161	73	88	-	-	-	1	1	-

TABLE 19

CORRECTED 1973 POPULATION BY COUNTY
BY FIVE YEAR AGE GROUPS, BY SEX
STATE OF WASHINGTON

	TOTAL POPULATION			WHITE POPULATION			BLACK POPULATION			OTHER NON-WHITE POPULATION		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
KLICKITAT												
TOTAL	12,138	6,074	6,064	11,773	5,905	5,868	10	7	3	355	162	193
0 - 4	943	495	448	911	479	432	-	-	-	32	16	16
5 - 9	1,217	583	634	1,164	562	602	-	-	-	53	21	32
10 - 14	1,372	673	699	1,306	643	662	1	1	-	66	29	37
15 - 19	1,177	601	576	1,131	578	553	1	1	-	45	22	23
20 - 24	599	287	312	588	279	309	1	1	-	10	7	3
25 - 29	704	340	364	681	331	350	1	1	-	22	8	14
30 - 34	631	308	323	608	297	311	1	1	-	22	10	12
35 - 39	667	332	335	646	323	323	1	-	1	20	9	11
40 - 44	638	324	314	627	320	307	1	1	-	10	3	7
45 - 49	630	301	329	612	293	319	1	-	1	17	8	9
50 - 54	778	396	382	762	387	375	-	-	-	16	9	7
55 - 59	751	385	366	732	374	358	1	1	-	18	10	8
60 - 64	653	344	309	647	341	306	-	-	-	6	3	3
65 - 69	475	270	205	471	267	204	-	-	-	4	3	1
70 - 74	366	181	185	359	179	180	-	-	-	7	2	5
75 - 79	258	116	142	254	116	138	-	-	-	4	-	4
80 - 84	156	73	83	154	72	82	-	-	-	2	1	1
85+	123	65	58	121	64	57	1	-	1	1	1	-
LEWIS												
TOTAL	45,467	22,500	22,967	45,104	22,307	22,797	39	30	9	324	163	161
0 - 4	3,511	1,814	1,697	3,468	1,795	1,673	2	2	-	41	17	24
5 - 9	4,225	2,128	2,097	4,173	2,096	2,077	5	4	1	47	28	19
10 - 14	4,773	2,466	2,307	4,733	2,448	2,285	-	-	-	40	18	22
15 - 19	4,439	2,349	2,090	4,373	2,300	2,073	22	21	1	44	28	16
20 - 24	2,644	1,269	1,380	2,615	1,256	1,359	2	-	2	32	13	19
25 - 29	2,474	1,236	1,239	2,451	1,223	1,228	1	1	-	22	11	11
30 - 34	2,267	1,135	1,132	2,250	1,126	1,124	-	-	-	17	9	8
35 - 39	2,221	1,065	1,156	2,204	1,056	1,148	-	-	-	17	9	8
40 - 44	2,401	1,148	1,253	2,388	1,144	1,244	-	-	-	13	4	9
45 - 49	2,788	1,389	1,399	2,776	1,384	1,394	2	-	2	8	5	3
50 - 54	2,678	1,342	1,336	2,668	1,337	1,331	-	-	-	10	5	5
55 - 59	2,584	1,246	1,338	2,572	1,244	1,328	1	-	1	11	2	9
60 - 64	2,278	1,121	1,157	2,271	1,116	1,155	2	1	1	5	4	1
65 - 69	1,955	931	1,024	1,948	927	1,021	-	-	-	7	4	3
70 - 74	1,648	757	891	1,645	755	890	1	-	1	2	2	-
75 - 79	1,239	550	689	1,234	546	688	1	1	-	4	3	1
80 - 84	805	359	446	802	359	443	-	-	-	3	-	3
85+	532	196	336	531	196	335	-	-	-	1	1	-
LINCOLN												
TOTAL	9,572	4,779	4,793	9,476	4,723	4,753	1	1	-	95	55	40
0 - 4	665	365	300	660	356	294	-	-	-	5	9	6
5 - 9	818	384	434	807	377	430	-	-	-	11	7	4
10 - 14	952	489	463	945	486	459	-	-	-	7	3	4
15 - 19	842	445	397	835	441	394	1	1	-	6	3	3
20 - 24	407	187	220	398	183	215	-	-	-	9	4	5
25 - 29	485	225	260	473	220	253	-	-	-	12	5	7
30 - 34	495	248	247	490	244	246	-	-	-	5	4	1
35 - 39	505	254	251	499	249	250	-	-	-	6	5	1
40 - 44	503	248	255	500	247	253	-	-	-	3	1	2
45 - 49	590	284	312	592	282	310	-	-	-	4	2	2
50 - 54	657	329	328	652	325	327	-	-	-	5	4	1
55 - 59	649	331	318	644	328	316	-	-	-	5	3	2
60 - 64	600	319	281	597	317	280	-	-	-	3	2	1
65 - 69	447	226	221	444	224	220	-	-	-	3	2	1
70 - 74	381	173	208	381	173	208	-	-	-	-	-	-
75 - 79	322	155	167	322	155	167	-	-	-	-	-	-
80 - 84	147	69	78	146	68	78	-	-	-	1	1	-
85+	101	48	53	101	48	53	-	-	-	-	-	-
MASON												
TOTAL	20,918	10,848	10,070	20,236	10,438	9,798	95	91	4	587	319	268
0 - 4	1,576	820	756	1,492	773	719	3	1	2	83	46	37
5 - 9	1,889	962	927	1,821	928	893	1	-	1	67	34	33
10 - 14	2,097	1,086	1,011	2,022	1,049	973	-	-	-	75	37	38
15 - 19	1,975	1,126	849	1,901	1,070	831	17	17	-	57	39	18
20 - 24	1,466	861	595	1,354	779	575	46	46	-	56	36	20
25 - 29	1,246	654	592	1,193	622	571	8	8	-	45	24	21
30 - 34	1,035	525	510	985	497	488	4	4	-	46	24	22
35 - 39	994	487	507	959	466	493	5	5	-	30	16	14
40 - 44	1,213	609	604	1,193	597	596	4	4	-	16	8	8
45 - 49	1,246	658	588	1,210	641	569	4	3	1	32	14	18
50 - 54	1,321	623	698	1,303	617	686	-	-	-	18	6	12
55 - 59	1,217	632	585	1,196	621	574	2	2	-	20	9	11
60 - 64	1,164	561	603	1,154	554	600	1	1	-	9	6	3
65 - 69	892	446	446	878	438	440	-	-	-	14	8	6
70 - 74	750	395	355	742	391	351	-	-	-	8	4	4
75 - 79	434	210	224	429	205	224	-	-	-	5	5	-
80 - 84	271	143	129	268	140	128	-	-	-	4	3	1
85+	139	50	89	137	50	87	-	-	-	2	-	2

TABLE 19

CORRECTED 1970 POPULATION BY COUNTY
BY FIVE YEAR AGE GROUPS, BY SEX
STATE OF WASHINGTON

	TOTAL POPULATION			WHITE POPULATION			BLACK POPULATION			OTHER NON-WHITE POPULATION		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
OKANOGAN												
TOTAL	25,867	13,052	12,815	23,748	12,005	11,743	73	38	35	2,046	1,009	1,037
0 - 4	1,941	997	944	1,680	874	806	15	6	9	246	117	129
5 - 9	2,503	1,271	1,232	2,210	1,132	1,078	9	2	7	284	137	147
10 - 14	2,971	1,540	1,431	2,654	1,382	1,272	7	4	3	310	154	156
15 - 19	2,503	1,327	1,176	2,286	1,209	1,077	6	2	4	211	116	95
20 - 24	1,304	585	719	1,152	512	640	6	4	2	146	69	77
25 - 29	1,284	615	669	1,163	567	596	3	1	2	118	47	71
30 - 34	1,396	686	710	1,272	620	652	6	4	2	118	62	56
35 - 39	1,493	730	763	1,383	675	708	4	2	2	106	53	53
40 - 44	1,558	799	759	1,444	737	707	4	4	-	110	58	52
45 - 49	1,497	789	708	1,416	747	669	2	1	1	79	41	38
50 - 54	1,549	754	795	1,471	719	752	3	3	-	75	32	43
55 - 59	1,554	808	746	1,474	767	707	2	-	2	78	41	37
60 - 64	1,422	754	668	1,353	713	640	2	2	-	67	39	28
65 - 69	1,013	468	545	970	445	525	1	1	-	42	22	20
70 - 74	805	411	394	793	403	390	1	-	1	21	8	13
75 - 79	537	264	273	523	257	266	1	1	-	13	6	7
80 - 84	317	163	154	306	160	146	-	-	-	11	3	8
85+	220	91	129	208	86	122	1	1	-	11	4	7
PACIFIC												
TOTAL	15,796	7,902	7,894	15,546	7,772	7,774	20	13	7	230	117	113
0 - 4	1,111	564	547	1,086	550	536	-	-	-	25	14	11
5 - 9	1,207	602	605	1,183	593	590	1	-	1	23	9	14
10 - 14	1,513	789	724	1,487	776	711	1	-	1	25	13	12
15 - 19	1,600	862	738	1,562	838	724	6	6	-	32	18	14
20 - 24	899	439	460	882	429	453	-	-	-	17	10	7
25 - 29	814	432	382	801	425	376	-	-	-	13	7	6
30 - 34	691	334	357	678	325	353	1	1	-	12	8	4
35 - 39	675	308	367	667	305	362	1	-	1	7	3	4
40 - 44	835	425	410	819	417	402	-	-	-	16	8	8
45 - 49	923	476	447	908	420	488	1	1	-	14	5	9
50 - 54	1,027	479	548	1,013	472	541	-	-	-	14	7	7
55 - 59	1,070	549	521	1,062	545	517	-	-	-	8	4	4
60 - 64	1,016	501	515	1,007	498	509	3	1	2	6	2	4
65 - 69	880	448	432	872	444	428	3	1	2	5	3	2
70 - 74	627	298	329	617	292	325	3	3	-	7	3	4
75 - 79	424	222	202	423	221	202	-	-	-	1	1	-
80 - 84	292	147	145	289	146	143	-	-	-	3	1	2
85+	192	77	115	190	76	114	-	-	-	2	1	1
PEND OREILLE												
TOTAL	6,025	3,031	2,994	5,868	2,954	2,914	1	-	1	156	77	79
0 - 4	436	220	216	417	212	205	-	-	-	19	8	11
5 - 9	585	284	301	561	271	290	-	-	-	24	13	11
10 - 14	673	351	322	651	343	308	-	-	-	22	8	14
15 - 19	533	274	259	516	266	250	-	-	-	17	8	9
20 - 24	242	115	127	235	109	126	-	-	-	7	6	1
25 - 29	286	129	157	277	124	153	-	-	-	9	5	4
30 - 34	313	160	153	305	157	148	-	-	-	8	3	5
35 - 39	315	151	164	307	148	159	-	-	-	8	3	5
40 - 44	349	173	176	339	168	171	-	-	-	10	5	5
45 - 49	354	177	177	348	174	174	-	-	-	6	3	3
50 - 54	397	194	203	391	191	200	-	-	-	6	3	3
55 - 59	366	186	180	362	183	179	-	-	-	4	3	1
60 - 64	340	171	169	333	167	166	-	-	-	7	4	3
65 - 69	319	177	142	317	177	140	1	-	1	1	-	1
70 - 74	217	116	101	214	114	100	-	-	-	3	2	1
75 - 79	155	87	68	153	86	67	-	-	-	2	1	1
80 - 84	92	47	45	89	45	44	-	-	-	3	2	1
85+	53	19	34	53	19	34	-	-	-	-	-	-
PIERCE												
TOTAL	412,344	215,745	196,599	384,559	200,582	183,977	18,560	10,777	7,783	9,225	4,386	4,839
0 - 4	33,711	17,128	16,583	31,026	15,800	15,226	1,919	956	963	766	372	394
5 - 9	38,746	19,754	18,992	35,581	18,179	17,402	2,281	1,138	1,143	884	437	447
10 - 14	40,675	20,787	19,888	37,451	19,200	18,251	2,243	1,090	1,153	981	497	484
15 - 19	44,889	26,095	18,794	41,661	24,125	17,536	2,073	1,261	812	1,155	709	446
20 - 24	50,048	32,064	17,984	45,697	28,871	16,826	3,054	2,334	720	1,297	859	438
25 - 29	28,459	15,161	13,298	26,445	14,025	12,420	1,435	887	548	579	249	330
30 - 34	22,082	11,047	11,035	20,425	10,238	10,187	1,107	614	493	550	195	355
35 - 39	21,740	10,984	10,756	19,872	10,178	9,694	1,095	630	465	773	176	597
40 - 44	22,932	11,243	11,689	21,124	10,426	10,698	1,025	589	436	783	228	555
45 - 49	22,875	11,163	11,712	21,564	10,505	11,059	830	476	354	481	182	299
50 - 54	20,668	10,661	10,007	19,815	10,180	9,635	542	323	219	311	158	153
55 - 59	17,425	8,564	8,861	16,848	8,243	8,605	357	199	158	220	122	98
60 - 64	14,317	6,909	7,508	13,958	6,606	7,352	222	127	95	137	76	61
65 - 69	11,302	5,136	6,166	11,025	5,006	6,019	159	75	84	118	55	63
70 - 74	9,127	3,779	5,348	8,949	3,712	5,237	95	37	58	83	30	53
75 - 79	6,696	2,801	3,895	6,593	2,770	3,823	45	12	33	58	19	39
80 - 84	4,164	1,669	2,495	4,091	1,638	2,453	43	15	28	30	16	14
85+	2,488	900	1,588	2,434	880	1,554	35	14	21	19	6	13

TABLE 19

CORRECTED 1970 POPULATION BY COUNTY
BY FIVE YEAR AGE GROUPS, BY SEX
STATE OF WASHINGTON

	TOTAL POPULATION			WHITE POPULATION			BLACK POPULATION			OTHER NON-WHITE POPULATION		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
SAN JUAN												
TOTAL	3,856	1,890	1,966	3,812	1,867	1,945	1	-	1	43	23	20
0 - 4	205	99	106	200	96	104	-	-	-	5	3	3
5 - 9	282	144	138	275	140	135	-	-	-	7	4	3
10 - 14	304	149	155	299	147	152	-	-	-	5	2	4
15 - 19	248	125	123	248	125	123	-	-	-	-	-	-
20 - 24	166	79	87	164	77	87	-	-	-	2	2	-
25 - 29	181	97	84	177	97	80	-	-	-	4	-	4
30 - 34	193	91	102	188	88	100	-	-	-	5	3	2
35 - 39	150	76	74	146	73	73	-	-	1	4	3	1
40 - 44	180	85	95	177	84	93	1	-	-	2	1	1
45 - 49	221	106	115	221	106	115	-	-	-	-	-	-
50 - 54	280	136	144	278	135	143	-	-	-	2	1	1
55 - 59	342	152	190	340	152	188	-	-	-	2	-	2
60 - 64	337	161	176	332	157	175	-	-	-	5	4	1
65 - 69	316	154	162	316	154	162	-	-	-	-	-	-
70 - 74	203	117	86	203	117	86	-	-	-	-	-	-
75 - 79	135	72	63	135	72	63	-	-	-	-	-	-
80 - 84	64	22	42	64	22	42	-	-	-	-	-	-
85+	49	25	24	49	25	24	-	-	-	-	-	-
SKAGIT												
TOTAL	52,381	25,736	26,645	51,489	25,294	26,195	45	29	16	847	413	434
0 - 4	3,862	1,917	1,945	3,754	1,865	1,889	2	1	1	106	51	55
5 - 9	4,860	2,466	2,394	4,768	2,418	2,350	2	2	-	90	46	44
10 - 14	5,385	2,708	2,677	5,263	2,649	2,614	4	3	1	118	56	62
15 - 19	4,831	2,464	2,367	4,724	2,405	2,319	3	2	1	104	57	47
20 - 24	3,274	1,587	1,687	3,206	1,550	1,656	6	5	1	62	32	30
25 - 29	3,106	1,555	1,551	3,053	1,533	1,520	1	-	1	52	22	30
30 - 34	2,899	1,457	1,442	2,844	1,430	1,414	2	2	-	53	25	28
35 - 39	2,630	1,229	1,401	2,578	1,202	1,376	-	-	-	52	27	25
40 - 44	3,017	1,475	1,542	2,969	1,456	1,513	2	1	1	46	18	28
45 - 49	3,123	1,533	1,590	3,081	1,511	1,570	3	2	1	39	20	19
50 - 54	3,225	1,523	1,702	3,192	1,506	1,686	5	3	2	28	14	14
55 - 59	2,994	1,489	1,505	2,962	1,474	1,488	4	4	-	28	11	17
60 - 64	2,706	1,338	1,368	2,681	1,325	1,356	3	1	2	22	12	10
65 - 69	2,188	1,085	1,103	2,166	1,077	1,089	2	-	2	20	8	12
70 - 74	1,690	760	930	1,674	752	922	2	1	1	14	7	7
75 - 79	1,312	595	717	1,301	590	711	3	1	2	8	4	4
80 - 84	799	350	449	793	346	447	1	1	-	5	3	2
85+	480	205	275	480	205	275	-	-	-	-	-	-
SKAMANIA												
TOTAL	5,845	2,979	2,866	5,730	2,912	2,818	12	11	1	103	56	47
0 - 4	462	232	230	447	226	221	-	-	-	15	6	9
5 - 9	657	353	304	647	347	300	-	-	-	10	6	4
10 - 14	695	340	355	677	331	346	-	-	-	18	9	9
15 - 19	538	284	254	528	277	251	2	-	-	10	7	3
20 - 24	292	138	154	284	132	152	-	2	-	6	4	2
25 - 29	373	168	205	363	160	203	3	-	-	10	8	2
30 - 34	352	189	163	343	183	160	-	3	-	6	3	3
35 - 39	302	158	144	295	155	140	3	-	-	7	3	4
40 - 44	304	158	146	297	153	144	4	3	-	4	2	2
45 - 49	333	167	166	325	161	164	-	3	1	4	3	1
50 - 54	312	150	162	309	149	160	-	-	-	3	1	2
55 - 59	365	183	182	363	182	181	-	-	-	2	1	1
60 - 64	354	181	173	350	178	172	-	-	-	4	3	1
65 - 69	213	120	93	211	120	91	-	-	-	2	-	2
70 - 74	123	76	47	123	76	47	-	-	-	-	-	-
75 - 79	81	44	37	80	44	36	-	-	-	1	-	1
80 - 84	68	27	41	68	27	41	-	-	-	-	-	-
85+	21	11	10	20	11	9	-	-	-	1	-	1
SNOHOMISH												
TOTAL	265,236	132,079	133,157	261,036	129,985	131,051	1,012	597	415	3,188	[illegible]	1,691
0 - 4	25,215	12,962	12,253	24,707	12,702	12,005	117	57	60	391	[illegible]	188
5 - 9	29,682	15,196	14,486	29,114	14,918	14,196	114	63	51	454	215	239
10 - 14	30,256	15,481	14,775	29,675	15,189	14,486	139	59	80	442	233	209
15 - 19	23,884	11,912	11,972	23,506	11,717	11,789	84	56	28	294	139	155
20 - 24	19,544	8,849	10,695	19,130	8,613	10,517	154	120	34	260	116	144
25 - 29	20,867	10,542	10,325	20,505	10,369	10,136	94	66	28	268	107	161
30 - 34	17,407	8,739	8,668	17,110	8,604	8,506	77	44	33	220	91	129
35 - 39	15,806	7,983	7,823	15,507	7,862	7,645	63	35	28	236	86	150
40 - 44	15,528	7,970	7,558	15,307	7,866	7,441	48	32	16	173	72	101
45 - 49	15,149	7,658	7,491	14,981	7,575	7,406	41	24	17	127	59	68
50 - 54	12,907	6,580	6,327	12,796	6,527	6,269	20	12	8	91	41	50
55 - 59	10,848	5,415	5,433	10,759	5,363	5,396	25	15	10	64	37	27
60 - 64	8,606	4,220	4,386	8,549	4,186	4,363	11	5	6	46	29	17
65 - 69	6,674	3,105	3,569	6,617	3,070	3,547	7	3	4	50	32	18
70 - 74	5,075	2,220	2,855	5,040	2,206	2,834	5	1	4	30	13	17
75 - 79	3,776	1,609	2,167	3,759	1,601	2,158	7	3	4	10	5	5
80 - 84	2,424	1,030	1,394	2,402	1,017	1,385	3	2	1	19	11	8
85+	1,588	608	980	1,572	600	972	3	-	3	13	8	5

TABLE 19

CORRECTED 1970 POPULATION BY COUNTY
BY FIVE YEAR AGE GROUPS, BY SEX
STATE OF WASHINGTON

	TOTAL POPULATION			WHITE POPULATION			BLACK POPULATION			OTHER NON-WHITE POPULATION		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
SPOKANE												
TOTAL	287,487	139,926	147,561	280,509	136,455	144,054	2,989	1,621	1,368	3,989	1,850	2,139
0 - 4	22,872	11,644	11,228	22,147	11,298	10,849	329	161	168	396	185	211
5 - 9	26,843	13,736	13,107	26,046	13,332	12,714	350	185	165	447	219	228
10 - 14	29,444	15,097	14,347	28,665	14,707	13,958	352	179	173	427	211	216
15 - 19	28,893	14,092	14,801	28,097	13,705	14,392	320	162	158	476	225	251
20 - 24	24,840	12,277	12,563	24,043	11,840	12,203	380	242	138	417	195	222
25 - 29	17,861	8,857	9,004	17,393	8,624	8,769	195	119	76	273	114	159
30 - 34	14,634	7,[illegible]	7,543	14,270	6,912	7,358	155	86	69	209	93	116
35 - 39	14,529	7,145	7,[illegible]84	14,139	6,969	7,170	153	83	70	237	93	144
40 - 44	15,699	7,524	8,175	15,349	7,377	7,972	137	75	62	213	72	141
45 - 49	16,982	8,082	8,900	16,590	7,890	8,700	152	73	79	240	119	121
50 - 54	16,116	7,874	8,242	15,809	7,723	8,086	122	63	59	185	88	97
55 - 59	14,452	7,045	7,407	14,224	6,917	7,307	110	64	46	118	64	54
60 - 64	12,512	5,965	6,547	12,336	5,864	6,472	79	49	30	97	52	45
65 - 69	9,877	4,573	5,304	9,726	4,489	5,237	64	39	25	87	45	42
70 - 74	8,263	3,513	4,750	8,157	3,471	4,686	38	17	21	68	25	43
75 - 79	6,487	2,653	3,834	6,417	2,624	3,793	22	7	15	48	22	26
80 - 84	4,339	1,669	2,670	4,298	1,649	2,649	14	7	7	27	13	14
85+	2,844	1,089	1,755	2,803	1,064	1,739	17	10	7	24	15	9
STEVENS												
TOTAL	17,405	8,778	8,627	16,540	8,324	8,216	16	12	4	849	442	407
0 - 4	1,359	673	686	1,246	613	633	1	1	-	112	59	53
5 - 9	1,785	944	841	1,660	876	784	4	3	1	121	65	56
10 - 14	2,009	1,012	997	1,872	927	945	3	3	-	134	82	52
15 - 19	1,642	875	767	1,556	825	731	3	3	-	83	47	5
20 - 24	724	334	390	683	313	370	-	-	-	41	21	2
25 - 29	882	415	467	844	399	445	-	-	-	38	16	22
30 - 34	914	437	477	864	418	446	-	-	-	50	19	31
35 - 39	957	481	476	904	457	447	-	-	-	53	24	29
40 - 44	928	482	446	886	459	427	-	-	-	42	23	19
45 - 49	951	458	493	906	432	474	-	-	-	45	26	19
50 - 54	1,059	511	548	1,038	498	540	1	-	1	20	13	7
55 - 59	1,043	557	486	1,013	542	471	-	-	-	30	15	15
60 - 64	925	479	446	906	473	433	-	-	-	19	6	13
65 - 69	771	404	367	750	395	355	4	2	2	17	7	10
70 - 74	577	286	291	559	278	281	-	-	-	18	8	10
75 - 79	475	239	236	464	233	231	-	-	-	11	6	5
80 - 84	257	128	129	247	124	123	-	-	-	10	4	6
85+	147	63	84	142	62	80	-	-	-	5	1	4
THURSTON												
TOTAL	76,894	37,493	39,401	75,633	36,902	38,731	207	115	92	1,054	476	578
0 - 4	6,446	3,301	3,145	6,293	3,229	3,064	26	15	11	127	57	70
5 - 9	7,759	3,991	3,768	7,646	3,927	3,719	21	12	9	92	52	40
10 - 14	8,240	4,245	3,995	8,104	4,182	3,922	19	11	8	117	52	65
15 - 19	7,395	3,659	3,736	7,196	3,563	3,633	49	25	24	190	71	79
20 - 24	5,492	2,493	2,999	5,369	2,433	2,936	11	7	4	112	53	59
25 - 29	5,083	2,505	2,578	4,976	2,456	2,520	14	8	6	93	41	52
30 - 34	4,267	2,086	2,181	4,207	2,052	2,155	9	6	3	51	28	23
35 - 39	4,160	2,010	2,150	4,067	1,980	2,087	17	6	11	76	24	52
40 - 44	4,529	2,182	2,347	4,439	2,149	2,290	18	13	5	72	20	52
45 - 49	4,693	2,261	2,432	4,631	2,235	2,396	7	3	4	55	23	32
50 - 54	4,379	2,213	2,166	4,349	2,201	2,148	2	-	2	28	12	16
55 - 59	3,659	1,790	1,869	3,635	1,775	1,860	1	1	-	23	14	9
60 - 64	3,154	1,491	1,663	3,135	1,482	1,653	3	1	2	16	8	8
65 - 69	2,539	1,129	1,410	2,516	1,115	1,401	7	6	1	16	8	8
70 - 74	2,109	924	1,185	2,098	916	1,182	-	-	-	11	8	3
75 - 79	1,505	624	881	1,501	623	878	-	-	-	4	1	3
80 - 84	873	332	541	870	331	539	1	-	1	2	1	1
85+	612	257	355	601	253	348	2	1	1	9	3	6
WAHKIAKUM												
TOTAL	3,592	1,868	1,724	3,536	1,835	1,701	-	-	-	56	33	23
0 - 4	301	154	147	291	148	143	-	-	-	10	6	4
5 - 9	350	192	166	355	190	165	-	-	-	3	2	1
10 - 14	389	225	164	378	217	161	-	-	-	11	8	3
15 - 19	313	174	139	311	174	137	-	-	-	2	-	2
20 - 24	198	96	102	195	94	101	-	-	-	3	2	1
25 - 29	201	102	99	196	101	95	-	-	-	5	1	4
30 - 34	196	95	101	193	94	99	-	-	-	3	1	2
35 - 39	189	93	96	185	91	94	-	-	-	4	2	2
40 - 44	171	92	79	169	93	79	-	-	-	2	2	-
45 - 49	203	96	107	202	95	107	-	-	-	1	1	-
50 - 54	233	120	113	230	118	112	-	-	-	3	2	1
55 - 59	197	100	97	192	96	96	-	-	-	5	4	1
60 - 64	188	106	82	187	105	82	-	-	-	1	1	-
65 - 69	140	79	61	139	79	60	-	-	-	1	-	1
70 - 74	108	48	60	106	47	59	-	-	-	2	1	1
75 - 79	102	43	59	102	43	59	-	-	-	-	-	-
80 - 84	64	35	29	64	35	29	-	-	-	-	-	-
85+	41	18	23	41	18	23	-	-	-	-	-	-

TABLE 1º

CORRECTED 1970 POPULATION BY COUNTY
BY FIVE YEAR AGE GROUPS, BY SEX
STATE OF WASHINGTON

	TOTAL POPULATION			WHITE POPULATION			BLACK POPULATION			OTHER NON-WHITE POPULATION		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
WALLA WALLA												
TOTAL	42,176	20,968	21,208	41,250	20,363	20,887	481	339	142	445	266	179
0 - 4	2,880	1,457	1,423	2,830	1,431	1,399	23	9	14	27	17	10
5 - 9	3,421	1,752	1,669	3,349	1,721	1,628	32	12	20	40	19	21
10 - 14	4,000	1,988	2,012	3,927	1,949	1,978	42	23	19	31	16	15
15 - 19	4,679	2,351	2,328	4,601	2,302	2,299	33	18	15	45	31	14
20 - 24	3,768	1,934	1,834	3,624	1,835	1,789	56	47	9	88	52	36
25 - 29	2,419	1,230	1,189	2,329	1,168	1,161	36	29	7	54	33	21
30 - 34	2,083	1,131	952	1,998	1,068	930	45	36	9	40	27	13
35 - 39	2,020	1,057	963	1,935	985	950	64	55	9	21	17	4
40 - 44	2,350	1,194	1,156	2,283	1,143	1,140	42	38	4	25	13	12
45 - 49	2,517	1,261	1,256	2,465	1,230	1,235	35	22	13	17	9	8
50 - 54	2,417	1,228	1,189	2,377	1,202	1,175	29	21	8	11	5	6
55 - 59	2,194	1,102	1,092	2,166	1,082	1,084	17	13	4	11	7	4
60 - 64	2,032	988	1,044	2,009	972	1,037	15	11	4	8	5	3
65 - 69	1,687	785	902	1,672	776	896	6	3	3	9	6	3
70 - 74	1,417	618	799	1,408	615	793	3	-	3	6	3	3
75 - 79	1,094	471	623	1,089	468	621	2	1	1	3	2	1
80 - 84	708	263	445	699	258	441	1	1	-	8	4	4
85+	490	158	332	489	158	331	-	-	-	1	-	1
WHATCOM												
TOTAL	81,983	40,086	41,897	79,442	38,829	40,613	201	115	86	2,430	1,142	1,198
0 - 4	6,407	3,255	3,152	6,089	3,091	2,998	24	13	11	294	151	143
5 - 9	7,151	3,576	3,575	6,765	3,378	3,387	20	11	9	366	187	179
10 - 14	7,660	3,945	3,715	7,339	3,782	3,557	7	4	3	314	159	155
15 - 19	9,150	4,313	4,837	8,771	4,149	4,622	50	20	30	329	144	185
20 - 24	8,859	4,369	4,490	8,570	4,226	4,344	37	25	12	252	118	134
25 - 29	5,278	2,818	2,460	5,119	2,736	2,383	17	12	5	142	70	72
30 - 34	3,948	2,010	1,938	3,808	1,944	1,864	13	7	6	127	59	68
35 - 39	3,704	1,793	1,911	3,584	1,740	1,844	10	7	3	110	46	64
40 - 44	4,131	2,011	2,120	4,034	1,962	2,072	6	5	1	91	44	47
45 - 49	4,280	2,081	2,199	4,195	2,042	2,153	5	4	1	80	35	45
50 - 54	4,302	2,141	2,161	4,228	2,099	2,129	1	1	-	73	41	32
55 - 59	3,993	1,922	2,071	3,947	1,899	2,048	3	-	3	43	23	20
60 - 64	3,556	1,670	1,886	3,519	1,649	1,870	1	1	-	36	20	16
65 - 69	3,066	1,424	1,642	3,026	1,400	1,626	1	1	-	39	23	16
70 - 74	2,480	1,150	1,330	2,460	1,140	1,320	3	2	1	17	8	9
75 - 79	1,931	773	1,158	1,916	765	1,151	1	1	-	14	7	7
80 - 84	1,214	495	719	1,204	491	713	1	1	-	9	3	6
85+	873	340	533	868	336	532	1	-	1	4	4	-
WHITMAN												
TOTAL	37,900	19,528	18,372	37,033	19,023	18,010	164	115	49	703	390	313
0 - 4	2,553	1,289	1,264	2,473	1,251	1,222	11	6	5	69	32	37
5 - 9	2,598	1,267	1,331	2,552	1,248	1,304	10	7	3	36	12	24
10 - 14	2,742	1,441	1,301	2,712	1,426	1,286	2	-	2	28	15	13
15 - 19	6,252	3,156	3,096	6,078	3,050	3,028	56	37	19	118	69	49
20 - 24	7,574	4,195	3,379	7,298	4,019	3,279	46	39	7	230	137	93
25 - 29	2,762	1,557	1,205	2,667	1,500	1,167	13	10	3	82	47	35
30 - 34	1,703	914	789	1,632	868	764	13	9	4	58	37	21
35 - 39	1,453	733	720	1,425	721	704	4	3	1	24	9	15
40 - 44	1,495	759	736	1,471	747	724	3	1	2	21	11	10
45 - 49	1,564	777	787	1,552	770	782	1	-	1	11	7	4
50 - 54	1,561	767	794	1,552	762	790	3	2	1	6	3	3
55 - 59	1,431	710	721	1,426	708	718	-	-	-	5	2	3
60 - 64	1,220	639	581	1,214	636	578	-	-	-	6	3	3
65 - 69	898	416	482	894	414	480	-	-	-	4	2	2
70 - 74	794	376	418	792	374	418	-	-	-	2	2	-
75 - 79	627	246	381	626	245	381	-	-	-	1	1	-
80 - 84	416	184	232	415	184	231	1	-	1	-	-	-
85+	257	102	155	254	100	154	1	1	-	2	1	1
YAKIMA												
TOTAL	145,212	70,964	74,248	138,607	67,720	70,887	1,567	800	767	5,038	2,444	2,594
0 - 4	12,121	6,142	5,979	11,398	5,792	5,606	135	57	78	588	293	295
5 - 9	14,696	7,401	7,295	13,786	6,956	6,830	188	96	92	722	349	373
10 - 14	16,128	8,207	7,921	15,174	7,749	7,425	220	108	112	734	350	384
15 - 19	14,597	7,274	7,323	13,840	6,896	6,944	177	97	80	580	281	299
20 - 24	9,344	4,275	5,069	8,840	4,043	4,797	110	60	50	394	172	222
25 - 29	8,593	4,128	4,465	8,235	3,952	4,283	74	44	30	284	132	152
30 - 34	7,207	3,522	3,685	6,879	3,370	3,509	65	34	31	263	118	145
35 - 39	7,098	3,453	3,645	6,797	3,312	3,485	46	23	23	255	118	137
40 - 44	7,965	3,861	4,104	7,670	3,730	3,940	80	34	46	215	97	118
45 - 49	8,317	3,979	4,338	8,036	3,838	4,198	77	38	39	204	103	101
50 - 54	8,240	3,996	4,244	7,972	3,865	4,107	91	46	45	177	85	92
55 - 59	7,947	3,937	4,010	7,678	3,791	3,887	98	51	47	171	95	76
60 - 64	6,882	3,425	3,457	6,640	3,284	3,356	83	44	39	159	97	62
65 - 69	5,407	2,629	2,778	5,240	2,538	2,702	42	27	15	125	64	61
70 - 74	4,317	1,964	2,353	4,183	1,895	2,288	49	24	25	85	45	40
75 - 79	3,079	1,367	1,712	3,028	1,342	1,686	15	7	8	36	18	18
80 - 84	1,991	870	1,121	1,951	845	1,106	15	8	7	25	17	8
85+	1,283	534	749	1,260	522	738	2	2	-	21	10	11

III

SPECIAL REPORTS

POPULATION FORECASTING ACTIVITIES PLANNED BY POPULATION STUDIES DIVISION

Staff of Population Studies Division are at work on a number of interrelated population forecasting projects. This article is to inform our readers about the status of these projects.

A. County Population Forecasts

The period January, 1976 - April, 1977 was spent developing an advanced technology projection system for making age-sex-specific forecasts of county and regional populations. The innovative feature of this system is that directional flow and net rates of migration by age and sex are calculated on a parameterized basis, which permits considerable flexibility in translating forecast assumptions into numerical form. Previous projection techniques have tended to assume historical net migration rate patterns will persist into the future without substantial change, because no technique existed that allowed much flexibility. (A detailed description of the technique is contained in our Staff Document No. 36, which is available on request.)

These forecasts should be ready for publication by late summer, 1977. Age detail is by five-year groupings beginning with 0-4 and ending with 80-84; ages 85 and greater are in a residual category. Forecast years are those divisible by 5: 1980, 1985, and so forth. Single-year age and time detail can be obtained only through interpolation. The alternative would have been to create a single-year detail model which would require about five times the already extensive data input and output required for the five-year version. This was deemed unreasonably demanding on our resources.

B. County Population Characteristics Forecasts

When the five-year county forecasts are completed, we anticipate developing a series of forecasts of population characteristics that would be obtained by multiplying age-sex counts by rates. The characteristics we presently plan to forecast are household and family headship status and educational attainment. Other social characteristic fore-

casts may be provided later, as demand and staff resources permit.

The application of, say, household headship rates to populations to obtain forecasts of numbers of households by age and sex of head is an example of what might be called "extrapolive" as opposed to "structural" forecast modeling. This is because historical headship rates will be trended into the future without a detailed attempt to explain why the trends occur. On the other hand, a structural model would be very complex, and could not be easily operated at the county level where relevant census data are not easily obtainable. We anticipate that our population characteristic forecasts will indicate plausible future conditions, and therefore will be useful. No completion date has been set for this project.

C. State Population Forecasts

Population Studies Division has been preparing single-year detail state population forecasts for budget-related purposes since the early 1970s. Work has been started on a new state projection model based on the techniques developed for the county forecasts. The model will treat single-year ages (up to age 85) by one year projection interval, as is done by the current model. The new model incorporates parameterized migration flow rates and is designed to be linked to state economic models. Operation of the model therefore can be either through an economic model or by the more traditional approach of stipulating future values for demographic change components (fertility, mortality, and migration). Tentatively, the new model will be operational by the end of 1977.

D. State Population Characteristics Forecasts

The new state population forecasting model discussed above will form the basis for detailed submodels of population characteristics. Unlike the "extrapolative" approach planned for county forecasts, the state model is expected to be more structural--at least in the household/family area. The initial submodel will forecast household and family heads by age and sex. Additional developments are planned that

should yield mean size values of families and households for each headship category. From these would come forecasts of numbers of households by size categories. This product might ultimately be linked to an economic model so as to provide income data for the various detailed household and family headship-size statuses. It must be emphasized that such deterministically-structured models must be extremely complex--perhaps intractably so. For this reason, no completion date has been set.

MAKING THE HOUSING UNIT POPULATION ESTIMATION METHOD WORK: A PROGRESS REPORT*

I. INTRODUCTION

This paper assesses the state of the art of making estimates of population using the housing unit method. The perspective is that of Washington State, which has had an active program for making municipal population estimates since World War II. Because the program is statewide, certain methodological options useful for single places have been closed. However, techniques applicable on a multi-site basis may be of interest to demographers in similar circumstances.

We begin with a description of the concept of the housing unit method and then enumerate data problems that can lead to inaccurate estimates. Next, remedies to some of these data problems are presented. The final section indicates factors that should contribute to a successful estimation program.

II. THE HOUSING UNIT METHOD

Starsinic and Zitter gave the housing unit method an unenthusiastic blessing in a 1968 Demography article.[1] The article reported a test of the supposed accuracy of the method in estimating some cities that had special censuses during the 1960's. We believe the article was misleading because it conveyed the impression that the method itself had a certain degree of accuracy. Our contention is that there is a general methodological concept which, if made properly operational, will yield exact results; failure to obtain exact results is due to the data and techniques used to operate the method. (These points were also mentioned in a paper by Rives.[2]) In other words, Starsinic and Zitter were really considering the accuracy of a limited set of techniques and data -- not a methodological approach.

The concept of the housing unit method relies on the fact that nearly all Americans sleep under some kind of shelter. The Census Bureau chooses to define two classes of shelters: groups quarters and housing units. All persons are assigned to one shelter class or the other. The housing unit method concept holds that these shelters can be

*This paper was presented at the annual meeting at the Population Association of America, St. Louis, Missouri, April 22, 1977.

identified, counted and classed as occupied or unoccupied. Also, all occupied shelters must have a specific number of occupants. Therefore, the population of any given place must be equal to the sum of the housing units times the occupance rate times the mean number of persons per occupied housing unit plus the number of persons in group quarters. That is, total housing units, occupancy rates, mean household size, and the number of persons in group quarters are the four elements needed to prepare a housing unit method population estimate.

III. OPERATIONAL PROBLEMS

Each of the four basic housing unit method data elements has associated problems for the analyst who tries to collect or make use of existing data. Some common operational problems for each data element are discussed below.

A. The Number of Housing Units

Most analysts choose to establish a housing unit count as of an estimation date using a census benchmark and reports of subsequent construction and demolition. A potential source of error is the census benchmark itself. For example, several cities and towns in Washington State are known to have been poorly enumerated or incorrectly tabulated in 1970. A second census or a detailed housing survey may be required to establish a useable benchmark.

Given a firm benchmark, housing additions and deletions are normally obtained from building and demolition permits. Sometimes adjustments for the lag between permit issuance and completion of construction are considered in the estimation technique. However, permits are intrinsically poor data because they express an intent, not an actuality. Where building permit laws are strong, the tendency is to exaggerate net housing stock change in a positive direction. Data on structural conversions, where they exist, also ought to yield a similar result because most conversions add rather than consolidate the number of units per structure. On the other hand, failure to obtain conversion data

would tend to bias the estimate of net changes in housing stock in a negative direction. Bias can also result where data are not complete regarding both numbers of units and type of structure. Data on changes in the number of structures also can cause trouble if some of the structures contain multiple housing units. But data on housing units alone can bias the population estimate because mean household size varies markedly depending on whether the housing unit is in a single unit or a multiple unit structure.

B. Occupancy Data

One means of estimating occupancy is to hold census benchmark occupancy rates constant over time. This technique is likely to be inaccurate, given the normal ebb and flow of housing supply-demand.

Postal Vacancy Survey data have been used either directly or to trend benchmark data. Direct use of occupancy rates from the survey is not recommended because postal area boundaries often do not correspond to municipal corporate limits and because housing units are defined somewhat differently than in a census. A comparison of 1970 Census and Postal data is presented in Table 1. Use of postal data trends from a census year observation to trend census benchmark data involves the same fundamental problems. However, the linkage to a census benchmark might be expected to reduce bias.

Data on water and electrical utility meters are often used for estimating the number of occupied units. Some sources of meter data bias would be : (1) non-conformity between municipal and utility district boundaries; (2) poor classification of residential vs. commercial meters; (3) use of master meters in multiple unit structures; and (4) rental properties maintaining active meters while the units are unoccupied.

Vancancy rates are sometimes obtained from "windshield surveys" where observers drive around a city or town counting housing units and vacancies. One major problem with this technique is that occupancy status is sometimes hard to determine from a moving vehicle. In particular, certain rental properties are visually indistinguishable from houses

TABLE 20

CENSUS AND POSTAL SURVEY DATA
FOR SELECTED CITIES IN WASHINGTON STATE, 1970

CITY	HOUSING UNITS COVERED			VACANCY RATES		
	CENSUS	POSTAL VACANCY SURVEY	RATIO	CENSUS	POSTAL VACANCY SURVEY	RATIO
Arlington	825	2,993	.2756	.054	.040	1.3500
Auburn	8,191	19,124	.4283	.129	.092	1.4022
Bellevue	18,916	25,876	.7310	.070	.050	1.4000
Bothell	1,552	8,498	.1826	.046	.042	1.0952
Camas	2,018	2,805	.7194	.038	.032	1.1875
Des Moines	1,255	2,658	.4722	.064	.057	1.1228
Edmonds	7,697	12,345	.6235	.054	.042	1.2857
Enumclaw	1,666	3,385	.4922	.046	.023	2.0000
Everett	20,477	25,099	.8158	.078	.054	1.4444
Issaquah	1,486	3,217	.4619	.076	.034	2.2353
Kirkland	5,659	10,690	.5294	.119	.051	2.3333
Lynnwood	6,062	12,221	.4960	.150	.080	1.8750
Marysville	1,792	5,700	.3144	.062	.048	1.2917
Mercer Isl.	5,725	5,987	.9562	.032	.038	.8421
Monroe	1,049	2,042	.5137	.059	.024	2.4583
Mountlake Terrace	4,500	4,573	.9840	.038	.036	1.0556
Olympia	9,242	21,707	.4258	.068	.041	1.6585
Prosser	1,071	1,949	.5495	.078	.021	3.7143
Puyallup	5,231	12,110	.4320	.056	.023	2.4348
Redmond	3,649	4,399	.8295	.113	.084	1.3452
Renton	9,891	19,851	.4983	.110	.060	1.8333
Seattle	221,973	238,942	.9290	.071	.034	2.0882
Snohomish	1,754	4,631	.3788	.055	.071	.7746
Sumner	1,624	3,693	.4398	.078	.033	2.3636
Sunnyside	2,342	3,189	.7344	.068	.017	4.0000
Tacoma	58,697	62,281	.9425	.076	.033	2.3030
Toppenish	1,968	2,907	.6770	.067	.013	5.1538
Vancouver	15,881	26,969	.5889	.044	.028	1.5714
Washougal	1,312	2,239	.5860	.053	.048	1.1042
Yakima	17,617	24,121	.7304	.064	.044	1.4545

temporarily unoccupied because their owners are away on vacation. Another problem with windshield surveys is that they can be biased in terms of geographic coverage.

C. Household Size Data

Sometimes the ratio of persons per occupied housing unit obtained in a census is held constant for subsequent estimates. This is presently unjustifiable because household size values are known to be declining nationwide.

An alternative approach is to obtain the household size for the census prior to the benchmark census and use the change ratio between these two observations to trend household size to the estimation date. This technique might be used within a year or two of the benchmark date, but its results become risky as the benchmark recedes into the past. A slightly better alternative would be to obtain the decennial census ratio of local to national or regional mean household size (preferably by type of structure) and apply this ratio to national or regional data gleaned from the Census Bureau's Current Population Survey to yield local estimates. However, even this adjustment could produce invalid results for places whose "character" is changing due to rapid population growth or decline.

Another source of household size data is the City Directory data base. This source represents a quasi-census that reflects actual local trends. Its defects are that it is not always timely, not all cities and towns are covered, and enumeration is not up to census standards -- i.e., if a household cannot be contacted, it is often assumed there was no change from the previous survey. Therefore, it is likely that City Directory data presently tend to overstate household size.

D. Group Quarters Populations

Counts of persons in institutional group quarters often are a matter of public record and readily obtainable. Data on other group quarters populations are normally obtainable only on-site. Fortunately,

non-institutional group quarters populations usually comprise only a tiny fraction of an area's total population, so estimation error seldom has serious consequences.

IV. SOME REMEDIES TO OPERATIONAL PROBLEMS

This section treats some solutions to data-related problems raised in the preceding section. The focus is on solutions in the context of Washington State operations, although some solutions from elsewhere are mentioned.

A. The Number of Housing Units

One obvious improvement over the use of building and demolition permits is to obtain confirmations (from certificates of occupancy, for instance) that the permitted work was indeed carried out. Normally this requires cooperation on the part of local officials. Other data are more expensive to collect and therefore are unlikely to be found uniformly across a state. Of course, where they are found, use can be made of them. For example, planners in some communities periodically take housing stock inventories. These can be valuable provided the planning staff is competent and their inventory is thorough.

County assessors maintain housing stock data, but the quality and accessibility of these data may vary widely from place to place. For instance, the data may be classed by section rather than municipality, and there may be a lag between housing stock change and file update. Some cities maintain geocoded address listings that are continually updated. Such listings are expensive, but represent an ideal situation that may be expected to be more prevelant in the future.

B. Occupancy Data

Usefully accurate occupancy data are presently obtainable for most places only by field work. (Tessmer has presented a study indicating that computerized utility billing data can be organized to yield highly

accurate vacancy estimates.[3] However, his test involved only a few census Tracts in Cincinnati, so we prefer to remain skeptical until additional tests are conducted.) By its nature, field work is labor-instensive and therefore expensive. However, there is some cost variation depending on the type of field work involved. Windshield surveys are relatively inexpensive whereas door-to-door surveys are costly.

The requirement to annually estimate populations of 265 municipalities has forced Washington State demographers to rely on windshield surveys. Prior to 1975, survey teams would cruise a city until they judged that it was covered sufficiently to provide a useful vacancy rate estimate; there was no attempt to determine observer bias. The program begun in 1975 to make windshield surveys rigorous has two elements. First, the survey teams make their observations from a randomly selected sample of city blocks. The sample proportion varies with the number of one and two unit housing structures in the city and also is influenced by time and manpower factors. That is, the 265 cities and towns -- having an aggregate population exceeding two million -- must be surveyed by two teams between March 1 and the first week in May. Under normal circumstances, a team can survey about eight blocks per hour. The present upper limit is 20 percent sample coverage, which means a place of about 5,000 population is the smallest that can be sampled with one percent error at 90 percent confidence where variance in numbers of units per block is minimal. If a 50 percent block sample were considered cost-effective, then places as small as 2,000 persons could be sampled.

The second element in the program was to obtain a correction for observer bias. This is possible because 70 or 80 cities and towns conduct censuses in Washington State in any given year. Censusing cities are surveyed in the same manner as the rest of the cities. When the census schedules are turned in, the vacancy rate for the blocks falling in the sample is obtained and compared to the survey team's report. The ratio of teams's vacancy rate over all censusing cities surveyed to the census vacancy rate computation is then used to adjust vacancy reported for each noncensusing city.

One flaw in the block sampling procedure is that multiple unit structures are poorly covered because they tend to be clustered geographically. A solution is to obtain apartment house listings from local planners and sample from the listing, taking care to stratify by relevant variables such as management policy regarding presence of children.

Door-to-door surveys can gather occupancy data, but this topic is deferred to the next section because vacancy data are a by-product of surveys needed to obtain household size data.

C. Household Size Data

As with occupancy data, survey data of one form or another are necessary to yield household size data for accurate local population estimates.

The least costly procedure is to use census data from analogous cities and towns. This is done in Washington State because of the high level of census activity. For example, if a suburban city is to be estimated, its 1970 persons per occupied unit (PPH) values by structure type are compared with similar data for censusing suburbs in the same part of the state. Where the benchmark data are similar, census-to-1970 ratios of PPH values are calculated for each structure type. The array of ratios thus obtained is used as a guide for the selection of suitable ratios for adjusting the estimation city's 1970 PPH values to estimation date levels. The Washington State experience is that this procedure works well as long as analogs can be found. There is a problem with larger cities: since they find censusing very costly, they do not census, meaning that no analogs can be found.

Another procedure for estimating household size (and occupancy) is the "sample census". This refers to a canvass of randomly sampled city blocks. Its advantages are : (1) it is less costly than a census; (2) the sampling frame is easy to obtain; (3) highly trained interviewers are not required; and (4) field control of interviewers is easier than in more sophisticated sampling procedures. Disadvantages are: (1) a large sample is required due to variation in block size; (2) apartment

units need to be identified and sampled separately or even completly enumerated in smaller cities; and (3) resulting household size and vacancy values may be applied to possibly inaccurate estimates of housing stock. Cost savings over full-scale censuses do not begin to outweigh the disadvantages until a city exceeds 25,000 population (where error levels approach one percent with fairly high confidence). The policy in Washington State is to recommend "sample censuses" only to cities whose population exceeds 40,000.

Traditional sampling procedures are theoretically the best means of obtaining household size and vacancy data short of a complete census. Rives has presented a useful discussion of the advantages of this approach elsewhere,[4] so we shall instead mention a few disadvantages: (1) a sampling frame may not be available or may be difficult and costly to obtain; (2) field control of interviewers is difficult, so high quality personnel should be used, thus increasing costs; and (3) as with "sample censuses", this approach is not cost-effective for places with populations of much less than 25,000.

V. CONCLUSIONS AND RECOMMENDATIONS

If data and techniques needed to obtain optimal results for the housing unit method are desired, three ingredients are necessary. One is a firm legal basis for an estimation program -- preferably one that encourages census taking. The three Pacific Coast states have such laws. Basically, the laws relate disbursement of certain state funds to localities on the basis of population. This tends to encourage localities to be cooperative in providing housing data and provides an incentive for census taking. As was noted earlier, census data greatly assist the housing unit estimation process. Other Washington State laws require that all annexed territory be censused, which further enhances the quality of estimates.

A second ingredient is organization. The State of Washington is not a very large state -- it has about 3.6 million inhabitants and ranks close to the median in population. However, it has one of the largest state demographic groups in the nation. A full-time professional staff of seven spends close to half a year on population determination activities (censuses, estimates, and annexation reporting). The remainder of the year is devoted to special studies and the forecasting of population and enrollments in state supported education systems. Without a staff of this size buttressed by appropriate laws, use of refined housing unit estimation techniques would be impossible. A professional staff properly organized means that experience and historical data are readily available.

To support such an organization, a third ingredient is required -- money. Washington State's population determination activities cost around $100,000 annually. Census costs are borne by municipalities, although the State supplies manuals, schedules, and consultation. State funding would be considerably greater without the cooperation of local governments.

Two recommendations are offered: First, if accurate local estimates are deemed necessary, then states should create proper organizations, looking to Washington, California, and the few other states with full-time professional staffs as models. Second, until this happens, the quality of housing unit method estimates can be improved somewhat by dissemination of household size data from special censuses so that the analog procedure described above can be used in states where census taking is rare. Therefore, it might be useful if an organization such as the U.S. Bureau of the Census would establish a local census data pool for use by agencies needing to make population estimates.

FOOTNOTES

[1]Donald E. Starsinic and Meyer Zitter, "Accuracy of the Housing Unit Method in Preparing Population Estimates for Cities", Demography Vol. 5, No. 1, 1968, pp. 475-84.

[2]Norfleet W. Rives, Jr. "On the Use of Household Surveys to Estimate Local Population", Paper for Annual Meeting of Southern Regional Demographic Group, New Orleans, La., October 29, 1976.

[3]Raymond G. Tessmer, "Estimation of Housing and Population Date from Electric Meter Records" Public Data Use, Vol. 4, No. 5.

[4]Rives, op. cit.

COMPARATIVE MORTALITY LEVELS FOR WASHINGTON STATE COUNTIES IN 1975

Any attempt to compare county mortality data is difficult for several reasons. The difficulty stems not from a lack of the number of deaths occurring annually for each county, which is published in vital statistics reports, but, rather from a lack of population data. The three major ways that population data make comparisons of county mortality levels difficult are briefly described below.

First, except during the federal census, county populations are usually estimated rather than enumerated each year. This means that crude death rates[1] can be constructed but that the rates can only be regarded as estimates because the population figures that form the denominators of these crude death rates are themselves only estimates.

Second, even though crude death rates can be constructed using estimated populations, the rates can be misleading when they are compared with one another. The reason they can be misleading is because the age structure of a population strongly influences the crude death rate. One county, for example, may have a high crude death rate merely because there is a large proportion of people in the older age groups, where death rates are high; another county may have a low crude death rate because there is a large proportion of children and young adults, among whom death rates are low. Without a complete count of persons by age the effect of age structure cannot be controlled by using the "directly age-standardized crude death rate", a mortality measure that requires the use of age-specific death rates.[2]

Third, the most desirable single indicator of mortality, "Life Expectancy", also requires knowledge of the age structure of a population. Life expectancy is preferred over the "directly age-standardized crude death rate" for purposes of comparison because it assigns equal weights to all age groups in addition to excluding the effects of migration and fertility on mortality.

Even though a rather dismal portrait has been sketched for the possibility of meaningful comparisons of county mortality levels there remains, nontheless, a promising technique that can be used to estimate both the directly age-standardized crude death rate (m_s) and Life Expectancy at birth ($\overset{\circ}{e}_0$) from available county mortality and population

data. This technique, developed primarily by Dr. D.P. Mazur, of Western Washington State College, is based on a two-parameter regression model that estimates m_s and $\overset{o}{e}_o$ from the crude death rate (m) and the percentage of persons aged 65 and over (P65+), which is available through medicare data.[3] The model is discussed in detail in the publications cited in footnote 3. For our purposes here, only the algebraically manipulated equations that actually provide the estimates of m_s and $\overset{o}{e}_o$ are shown.[4]

First, the equation for estimating m_s is:

$$m_s = m[2.53548 - 1.58967\ (\text{Log}_{10}\text{P65+})] \qquad [1]$$

where

m_s = the crude death rate of the county population in question directly age-standardized on the 1960 U.S.A. population age structure.

m = the estimated crude death rate of the county population in question.

P65+=the estimated percent of the county population in question that is aged 65 and over.

In this equation, m_s is the estimated crude death rate (per 1000 persons) that would result if the county population in question had its own age-specific death rates and the same proportional age distribution as the 1960 U.S.A. population. When the m_s values for all of the counties are being compared, all of the county population age structures are "standardized" to the 1960 U.S.A. population age structure and the effects of age structure on the crude death rate are made constant.

The equation for estimating $\overset{o}{e}_o$ is:

$$\overset{o}{e}_o = \frac{1000}{(13.02763 + 0.01594\ m_s^{2})} \qquad [2]$$

where

m_s = the estimated directly age-standardized crude death rate of the county population in question obtained from equation [1].

TABLE 21

COMPARATIVE MORTALITY LEVEL ESTIMATES AND THEIR BASIC INPUT DATA FOR WASHINGTON STATE COUNTIES, 1975*

County	P_{65+} Percent 65 Years and Over	M Crude Death Rate (per 100)	M_s Directly Age-Standardized Crude Death Rate (per 1000)	$\mathring{e}_0$ Life Expectancy at Birth
Adams	9.68	7.50	7.26	72.11
Asotin	14.69	11.54	7.85	71.31
Benton	7.35	6.86	7.95	71.25
Chelan	14.30	10.20	7.13	72.26
Clallam	14.08	11.57	8.21	70.91
Clark	9.01	7.65	7.79	71.45
Columbia	16.74	12.33	7.28	72.09
Cowlitz	9.77	8.42	8.10	71.06
Douglas	10.11	7.07	6.63	72.84
Ferry	7.86	7.38	8.21	70.91
Franklin	7.34	7.38	8.56	70.44
Garfield	12.50	10.71	8.48	70.55
Grant	7.96	7.21	7.95	71.25
Grays Harbor	12.23	11.28	9.10	69.70
Island	10.43	6.37	5.84	73.69
Jefferson	15.05	12.43	8.25	70.86
King	9.84	8.04	7.69	71.58
Kitsap	9.77	8.08	7.77	71.48
Kittitas	9.80	7.35	7.05	72.36
Klickitat	11.69	10.85	9.09	69.71
Lewis	14.08	10.59	7.51	71.80
Lincoln	16.77	12.15	7.15	72.24
Mason	12.84	10.81	8.36	70.71
Okanogan	12.57	9.32	7.34	72.01
Pacific	16.87	12.77	7.47	71.85
Pend Oreille	14.31	10.92	7.63	71.66
Pierce	9.18	8.13	8.17	70.96
San Juan	20.22	9.56	4.39	74.99
Skagit	13.43	10.71	7.95	71.25
Skamania	10.00	8.14	7.69	71.58
Snohomish	8.34	7.43	7.95	71.25
Spokane	11.81	9.50	7.89	71.33
Stevens	12.79	10.95	8.50	70.53
Thurston	10.63	8.39	7.58	71.72
Wahkiakum	14.00	9.43	6.73	72.73
Walla Walla	14.08	10.28	7.30	72.06
Whatcom	12.02	8.89	7.29	72.07
Whitman	8.17	6.77	7.35	72.00
Yakima	12.24	10.47	8.44	70.61

From equation [2], an estimate of the average number of years of life expected at birth is generated, which is designed to represent the current mortality structure as reported by the vital statistics death data.

These two equations are used for the estimates of m_s and $\overset{o}{e}_o$, which along with the input data, are presented for each county for 1975 in Table 21.[5]

Keep in mind that for every county except Kitsap, which conducted a census, the crude death rates and the percentage of persons aged 65 and over are themselves estimates because the total population figures are estimates. Given this qualification, there are noticeable differences among county crude death rates that tend to be minimized when the effects of age structure are controlled. For example, the standard deviation of m across all counties is 1.85 while the standard deviation of m_s across all counties is only 0.84. This indicates, of course, that much of the variation in county crude death rates is due to the effects of age structure and that mortality--and health--conditions among counties may tend to be relatively equal.

One notable case is that of San Juan county. Here the crude death rate is 9.56 while the standardized rate is only 4.39. Since the population of San Juan county is relatively aged--the percent of persons aged 65 and over is 20.22--the decrease from a relatively medium level crude death rate to the lowest standardized rate of any county indicates that mortality rates among the older San Juan county residents are relatively low.

The over-all reduction in mortality represented in the difference between the mean of the crude death rates of 9.37 and the mean of the standardized crude death rates of 7.66 indicates that the age structures of county populations in 1975 are relatively more aged than the total 1960 U.S.A. population.

The $\overset{o}{e}_o$ estimates also indicate that the mortality conditions among the counties are relatively equal. The mean value of these 39 estimates is 71.57 years and the standard deviation is 0.984.

Something that must be kept in mind while comparing the $\overset{o}{e}_o$ estimates is that the single most influential element acting upon life expectancy at birth is the infant mortality rate (IMR), which is defined as the

number of deaths of infants who die before attaining their first birthday divided by the total number of live births during the year. This rate, like the other mortality rates, is usually multiplied by 1000 so that it is expressed as number of infant deaths per 1000 live births. Life expectancy of persons aged one year is almost always higher than the life expectancy of the new born. This is, of course, due to the decrease in the risk of death that occurs once the newly born survive the hazards of the first year of life.

The infant mortality rate also tends to fluctuate in many small counties from year to year. This means that life expectancy at birth would also fluctuate from year to year depending, in part, on the current IMR. This must also be taken into account while comparing the $\overset{0}{e}_0$ estimates.

There are two important indications that result from these estimates of comparative mortality. The first is that the county population age structures appear to vary substantially, an indication that has implications related to migration and fertility patterns and demand for public services. The second is that these variations in age structure account for much of the variation in county crude death rates, which indicates that, in general, mortality and the health delivery systems related to mortality are relatively equal across all counties.

One additional indication, which was touched upon earlier, is that the 1975 county age structures are more aged than that of the total 1960 U.S.A. population. This is a result of, especially, the declines in fertility that have been observed during the past fifteen or so years and, to a lesser extent, declines in mortality during the same period. A simple way to visualize the strong effect of fertility on population ageing is to consider the "Baby Boom". During and immediately subsequent to the "boom", there were proportionally large numbers of young people and the U.S.A. population was, consequently, "young". Today, these "baby boom" people are moving from young adulthood toward middle-age and so far there has been not been the number of births to offset the large proportion of the population that these "Baby Boom" people have come to represent. Consequently, the population has been ageing and will continue to age as the "Baby Boom" people move past middle age into old age unless a dramatic increase in fertility occurs. For the national and state pop-

ulations, this observation is not new but it is of interest to note that this population ageing process appears to be occurring at a relatively equal pace across all counties.

FOOTNOTES

[1]The crude death rate is defined as:

M = (1000) (Total Deaths/Total Population)

Note that this formula is equivalent to:

$$M = 1000 \sum_{i=1}^{k} \left(\frac{di}{Pi}\right)\left(\frac{Pi}{\Sigma Pi}\right)$$

where

di = number of deaths occurring in age group i
Pi = number of persons in age group i
ΣPi = total population
k = number of age groups, commonly the ages are grouped as: 0-1, 1-4, 5-9, 10-14, 15-19,..., 80-84, 85+

[2]The directly age-standardized crude death rate is defined as:

$$m_s = 1000 \sum_{i=1}^{k} \left(\frac{di}{Pi}\right)\left(\frac{Pis}{\Sigma Pis}\right)$$

where

di = number of deaths occurring in age group i of the population in question
Pi = number of persons in age group i of the population in question
Pis = number of persons in age group i of the standard population
ΣPis = total persons in the standard population
k = number of age groups

[1]Mazur's work is primarily contained in the following four publications:

"Expectancy of Life at Birth in 36 Nationalities of the Soviet Union: 1958-60" in Population Studies, Vol. 23, pp. 225-246, 1969;

"Techniques for Estimating Basic Demographic Measures from Limited Data for the U.S.S.R." in Proceedings of the International Union for the Scientific Study of Population, 1969;

"Demographic Ageing in Europe as a Function of Relative Mortality" in Statistisk Tidsskrift, (Swedish Statistical Journal). Vol. 6, pp. 296-301, 1971;

and

"Using Regression Models to Estimate the Expectation of Life at Birth for the U.S.S.R." in Journal of the American Statistical Association, Vol. 67, pp. 31-36, 1972.

An Elaboration and Extenstion of Mazur's work can be found in the following two publications:

"Two-Parameter Regression Estimates of Current Life Expectancy at Birth: Part I", in Asian and Pacific Census Newsletter, Vol. 3, no. 2, November, 1976, pp. 5-10, by David A. Swanson and James A. Palmore; and

"Two-Parameter Regression Estimates of Current Life Expectancy at Birth: Part II", in Asian and Pacific Census Newsletter, Vol. 3, no. 4, May 1977, pp. 5-10, by David A. Swanson, James A. Palmore, and Chitra Sundaram.

[4]The actual regression models used to estimate m_s and $\overset{0}{e}_0$ were obtained from data for 163 national populations found in World Population: An Analysis of Vital Data, University of Chicago Press, 1968, by Nathan Keyfitz and Wilhelm Flieger. The regression models from which equations [1] and [2] were derived are:

$$[1] \quad \frac{m_s}{m} = 2.53548 - 1.58967 \ (\log_{10} P65+)$$

Standard error of estimate = 0.024

$r^2 = 0.985$

$$[2] \quad \frac{1000}{\overset{0}{e}_0} = 13.02763 + 0.01594 M_s^2$$

Standard error of estimate = 0.581

$r^2 = 0.956$

The "fit" of these equations in terms of the standard error of estimate, proportion of variance explained, and actual vs. estimated values is quite good and is disussed at length in Mazur's publications.

[5]The basic data for this report are from the following sources.

County total population estimates: Table 12, p. 32, in State of Washington Population Trends 1975. Office of Program Planning and Fiscal Management: Olympia, Washington, July 1975.

County population 65 years and over: Table 9, p. 29, in State of Washington Population Trends 1975. Office of Program Planning and Fiscal Management: Olympia, Washington, July 1975.

County total deaths: Table 20, p. 37, in Vital Statistics 1975. Department of Social and Health Services: Olympia, Washington, March, 1977.

COUNTY CENSUSES IN WASHINGTON SINCE 1970

INTRODUCTION

Eight counties in Washington have conducted special censuses since 1970 (Table 22). These censuses have been motivated by several concerns. Cowlitz county (1973), Stevens county (1975), and Ferry county (1977) conducted special censuses to advance their county classification (RCW 36.13.050). Adams county censused in 1975 to have a current population count upon which to redistrict Commissioner Districts. Island, Kitsap, San Juan, and Wahkiakum counties conducted their special censuses to establish a current population base for planning purposes and for the allocation of state revenues. All special county censuses certified by the Office of Program Planning and Fiscal Management are used for distributing liquor revenues to counties. Revenues approximate $3.50 per person in the unincorporated area.

TABLE 22

COUNTIES CONDUCTING SPECIAL POPULATION CENSUSES
STATE OF WASHINGTON
1970-1976

County	Census Date	Major Purpose of Census
Adams	April 1, 1976	Redistricting Commissioner Districts on current population.
Cowlitz	Sept. 10, 1973	Reclassification of county on basis of population.
Ferry	April 1, 1977	Reclassification of county on basis of population.
Island	April 1, 1977	Establish current population base for allocation of revenues.
Kitsap	April 17, 1976	Establish current census base for allocation of revenues.
San Juan	Sept. 22, 1975	Establish current population base for allocation of revenues.
Stevens	Sept 25, 1975	Reclassification of county on basis of population.
Wahkiakum	April 1, 1975	Establish current population base for allocation of revenues.

CENSUS COSTS AND RESULTS

County censuses are generally more costly (per person enumerated, than city censuses because population in the unincorporated area is more dispersed. As the average distance between households increases, census costs increase in terms of enumerator hours and mileage. At the present time, the direct cost[1] of a county census is about $ .50 per person enumerated if only a population and housing unit count is desired and if existing county staff are responsible for preparing for and directing the census. Thus, the only direct costs incurred by the county are for enumerator and supervisor wages, mileage, and office materials. If additional census information is desired (e.g., occupation, income) or existing county staff are not available to handle census responsibilities, direct census costs may approximate $1.25 per person enumerated. Direct census costs incurred by the counties that censused in Washington have ranged from less than $ .10 per person enumerated in Stevens county to $1.00 per person enumerated in Adams county. In Stevens county, existing county staff handled all census responsibilities--county road crews and assessors were assigned enumerator responsibilities--thus direct costs were minimized. In Adams county, a consultant was hired to conduct the census. This year, the Ferry county census direct cost was $ .18 per person enumerated; this included the wages and transportation cost of two non-county employees. The Island county cost per person enumerated was $ .36. Tables 23 to 30 show basic population and housing unit data for incorporated places and the unincorporated area for all counties that have censused since 1970. Kitsap county showed the largest numerical gain, from 101,732 in 1970 to 116,090 in 1975. Ferry county, one of the smallest counties in Washington to have censused, grew from 3,655 in 1970 to 5,147 in 1977, a gain of 40.8 percent. Consistent with national trends, all counties, with the exception of Ferry, showed declines in household size since 1970; Ferry county household size remained stable overall with the unincorporated portion showing an increase of 1.2 percent. Household size in Republic declined by 5.4 percent.

TABLE 23

POPULATION AND HOUSING UNITS, ADAMS COUNTY
1970-1976

Area	Total Population		Percent Change	Population in Housing Units		Total Housing Units		Occupied Housing Units		Average Pop. Per Occ. H.U.		Percent Change in PPH	Group Quarters	
	Federal Census 1970	4/1/76 Census		1970	4/1/76	1970	4/1/76	1970	4/1/76	1970	4/1/76		1970	4/1/76
ADAMS	12,014	13,709	14.1	11,951	13,596	3,936	4,619	3,553	4,388	3.36	3.10	-7.7	63	113
Unincorporated	4,958	6,240	25.6	4,958	6,240	1,552	1,956	1,349	1,822	3.68	3.42	-7.1	10	-
Incorporated	7,046	7,469	6.0	6,993	7,356	2,384	2,663	2,204	2,566	3.17	2.87	-9.5	53	113
Hatton	60	74	23.3	60	74	17	22	16	19	3.75	3.89	3.7	-	-
Lind	622	651	4.7	622	651	260	270	223	258	2.79	2.52	-9.7	-	-
Othello	4,172	4,504	8.0	4,172	4,444	1,211	1,410	1,141	1,368	3.66	3.25	-11.2	-	60
Ritzville	1,876	1,936	3.2	1,823	1,883	776	843	719	815	2.54	2.31	-9.1	53	53
Washtucna	316	304	-3.8	316	304	120	118	105	106	3.01	2.87	-4.7	-	-

TABLE 24

POPULATION AND HOUSING UNITS, COWLITZ COUNTY
1970-1973

Area	Total Population		Percent Change	Population in Housing Units		Total Housing Units		Occupied Housing Units		Average Pop. Per Occ. H.U.		Percent Change in PPH	Group Quarters	
	Federal Census 1970	9/10/73 Census		1970	9/10/76	1970	9/10/76	1970	9/10/76	1970	9/10/76		1970	9/10/76
COWLITZ	68,616	70,408	2.6	68,080	69,715	23,512	25,858	22,140	24,228	3.07	2.88	-6.2	536	693
Unincorporated	25,695	26,982	5.0	25,561	26,843	8,145	9,156	7,524	8,452	3.40	3.18	-6.5	134	139
Incorporated	42,921	43,426	1.2	42,519	42,872	15,367	16,702	14,616	15,776	2.91	2.72	-6.5	402	554
Castle Rock	1,647	1,761	6.9	1,647	1,761	627	679	589	640	2.80	2.73	-2.5	-	-
Kalama	1,106	1,037	-6.2	1,106	1,037	378	381	356	361	3.11	2.87	-7.7	-	-
Kelso	10,296	10,297	0.0*	10,183	10,232	3,864	4,179	3,640	3,900	2.80	2.62	-6.4	113	65
Longview	28,373	28,490	0.4	28,084	28,001	9,956	10,772	9,512	10,224	2.95	2.74	-7.1	289	489
Woodland	1,499	1,841	22.8	1,499	1,841	542	691	519	651	2.89	2.83	-2.1	-	-

*Less than 0.01 percent.

TABLE 25

POPULATION AND HOUSING UNITS, KITSAP COUNTY
1970-1975

Area	Total Population		Percent Change	Population in Housing Units		Total Housing Units		Occupied Housing Units		Average Pop. Per Occ. H.U.		Percent Change in PPH	Group Quarters	
	Federal Census 1970	4/17/75 Census		1970	4/17/75	1970	4/17/75	1970	4/17/75	1970	4/17/75		1970	4/17/75
KITSAP	101,732	116,090	14.1	96,858	105,706	36,095	41,889	32,856	38,360	2.95	2.76	-6.4	4,874	10,384
Unincorporated	59,131	70,668	19.5	58,237	69,958	21,239	26,599	18,663	23,605	3.12	2.96	-5.1	894	710
Incorporated	42,601	45,422	6.6	38,621	35,748	14,856	15,290	14,193	14,755	2.72	2.42	-11.0	3,980	9,674
Bremerton	35,307	37,132	5.2	31,538	28,000	12,206	12,147	11,694	11,728	2.70	2.39	-11.5	3,769	9,132
Port Orchard	3,904	4,065	4.1	3,855	3,833	1,396	1,472	1,310	1,419	2.94	2.70	-8.2	49	232
Poulsbo	1,861	2,415	29.8	1,699	2,196	672	939	644	917	2.64	2.39	-9.5	162	219
Winslow	1,529	1,810	18.4	1,529	1,719	582	732	545	691	2.81	2.49	-11.4	-	91

TABLE 26

POPULATION AND HOUSING UNITS, SAN JUAN COUNTY
1970-1975

Area	Total Population: Federal Census 1970	Total Population: 9/22/75 Census	Percent Change	Population in Housing Units: 1970	Population in Housing Units: 9/22/75	Total Housing Units: 1970	Total Housing Units: 9/22/75	Occupied Housing Units: 1970	Occupied Housing Units: 9/22/75	Average Pop. Per Occ. H.U.: 1970	Average Pop. Per Occ. H.U.: 9/22/75	Percent Change in PPH	Group Quarters: 1970	Group Quarters: 9/22/75
SAN JUAN[1]	3,856	5,493	42.5	3,814	5,432	2,673	3,746	1,514	2,341	2.52	2.32	-7.9	42	61
Unincorporated	3,053	4,531	48.4	3,053	4,517	2,321	3,302	1,205	1,939	2.53	2.33	-7.9	-	14
Incorporated	803	962	19.8	761	915	352	444	309	402	2.46	2.28	-7.3	42	47
Total Islands	3,856	5,493	42.5	3,814	5,432	2,673	3,746	1,514	2,341	2.52	2.32	-7.9	42	61
Lopez	647	884	36.6	647	884	466	680	N.A.	379	N.A.	2.33	N.A.	-	47
Orcas	1,219	1,741	42.8	1,219	1,727	822	1,086	N.A.	749	N.A.	2.31	N.A.	-	14
San Juan[2]	1,853	2,529	36.5	1,811	2,482	1,019	1,376	N.A.	1,059	N.A.	2.34	N.A.	42	47
Friday Harbor	803	962	19.8	761	915	352	444	309	402	2.46	2.28	-7.9	42	47
Shaw	70	99	41.4	70	99	123	121	N.A.	51	N.A.	1.94	N.A.	-	-
Waldron	14	88	528.6	14	88	37	93	N.A.	32	N.A.	2.75	N.A.	-	-
Other Islands	53	152	186.8	53	152	206	390	N.A.	71	N.A.	2.14	N.A.	-	-

[1]San Juan County, because of its uniqueness, is shown with islands containing 50 or more people .
[2]Includes Friday Harbor.

TABLE 27

POPULATION AND HOUSING UNITS, STEVENS COUNTY
1970-1975

Area	Total Population: Federal Census 1970	Total Population: 9/25/75 Census	Percent Change	Population in Housing Units: 1970	Population in Housing Units: 9/25/75	Total Housing Units: 1970	Total Housing Units: 9/25/75	Occupied Housing Units: 1970	Occupied Housing Units: 9/25/75	Average Pop. Per Occ. H.U.: 1970	Average Pop. Per Occ. H.U.: 9/25/75	Percent Change in PPH	Group Quarters: 1970	Group Quarters: 9/25/75
STEVENS	17,405	22,708	30.5	17,167	22,501	7,167	9,596	5,580	7,750	3.08	2.90	-5.8	238	207
Unincorporated	10,564	14,958	41.6	10,463	14,898	4,585	6,513	3,177	4,811	3.29	3.10	-5.8	101	60
Incorporated	6,841	7,750	13.3	6,704	7,603	2,582	3,083	2,403	2,939	2.79	2.59	-7.2	137	147
Chewelah	1,365	1,691	23.9	1,325	1,659	575	717	527	690	2.51	2.40	-4.4	40	32
Colville	3,742	4,291	14.7	3,645	4,176	1,380	1,694	1,305	1,629	2.79	2.56	-8.2	97	115
Kettle Falls	920	926	0.7	920	926	317	360	307	335	3.00	2.76	-8.0	-	-
Marcus	148	169	14.2	148	169	41	56	41	53	3.61	3.19	-11.6	-	-
Northport	451	429	-4.9	451	429	184	167	148	144	3.05	2.98	-2.3	-	-
Springdale	215	244	13.5	215	244	85	89	75	88	2.87	2.77	-3.5	-	-

TABLE 28

POPULATION AND HOUSING UNITS, WAHKIAKUM COUNTY
1970-1975

Area	Total Population: Federal Census 1970	Total Population: 4/1/76 Census	Percent Change	Population in Housing Units: 1970	Population in Housing Units: 4/1/76	Total Housing Units: 1970	Total Housing Units: 4/1/76	Occupied Housing Units: 1970	Occupied Housing Units: 4/1/76	Average Pop. Per Occ. H.U.: 1970	Average Pop. Per Occ. H.U.: 4/1/76	Percent Change in PPH	Group Quarters: 1970	Group Quarters: 4/1/76
WAHKIAKUM	3,592	3,682	2.5	3,536	3,638	1,279	1,396	1,150	1,254	3.07	2.90	-5.5	56	44
Unincorporated	2,945	3,051	3.6	2,944	3,051	1,033	1,166	922	1,032	3.19	2.96	-7.2	1	-
Incorporated	647	631	-2.5	592	587	246	230	228	222	2.60	2.64	1.5	55	44
Cathlamet	647	631	-2.5	592	587	246	230	228	222	2.60	2.64	1.5	55	44

TABLE 29

POPULATION AND HOUSING UNITS, FERRY COUNTY
1970-1977

Area	Total Population: Federal Census 1970	Total Population: 4/1/77 Census	Percent Change	Population in Housing Units: 1970	Population in Housing Units: 4/1/77	Total Housing Units: 1970	Total Housing Units: 4/1/77	Occupied Housing Units: 1970	Occupied Housing Units: 4/1/77	Average Pop. Per Occ. H.U.: 1970	Average Pop. Per Occ. H.U.: 4/1/77	Percent Change in PPH	Group Quarters: 1970	Group Quarters: 4/1/77
FERRY	3,655	5,147	40.8	3,496	4,946	1,553	1,800	1,113	1,577	3.14	3.14	0.0	159	201
Unincorporated	2,793	4,094	46.6	2,640	3,896	1,225	1,395	822	1,199	3.21	3.25	1.2	153	198
Incorporated	862	1,053	22.2	856	1,050	328	405	291	378	2.94	2.78	-5.4	6	3
Republic	862	1,053	22.2	856	1,050	328	405	291	378	2.94	2.78	-5.4	6	3

TABLE 30

POPULATION AND HOUSING UNITS, ISLAND COUNTY
1970-1977

Area	Total Population: Federal Census 1970	Total Population: 4/1/77 Census	Percent Change	Population in Housing Units: 1970	Population in Housing Units: 4/1/77[1]	Total Housing Units: 1970	Total Housing Units: 4/1/77[1]	Occupied Housing Units: 1970	Occupied Housing Units: 4/1/77[1]	Average Pop. Per Occ. H.U.: 1970	Average Pop. Per Occ. H.U.: 4/1/77[1]	Percent Change in PPH	Group Quarters: 1970	Group Quarters: 4/1/77[1]
ISLAND														
Unincorporated	27,011	37,528	38.9	25,381	30,378	12,06	16,141	8,400	11,628	3.02	2.61	-13.6	1,630	7,150
Incorporated	16,594	24,375	46.9	15,041	21,689	8,718	12,714	5,310	8,449	2.83	2.57	-9.2	1,553	2,686
Coupeville	10,417	13,153	26.3	10,340	8,689	3,366	3,427	3,090	3,179	3.35	2.73	-18.5	77	4,464
Langley	703	924	31.4	698	904	333	443	274	391	2.55	2.31	-9.4	5	20
Oak Harbor	547	611	11.7	546	611	302	335	242	292	2.26	2.09	-7.5	1	--
	9,167	11,618	26.7	9,096	7,174	2,731	2,649	2,574	2,496	3.53	2.87	-18.7	71	4,444

[1] The 1977 group quarter population of 4,444 for Oak Harbor includes 4,374 military personnel and dependents living in navy group quarters and family housing. The 1977 unincorporated group quarter of 2,686 includes 2,580 military personnel living in navy group quarters and family housing.

SUMMARY

In general, the special censuses in Washington have tended to support substantial growth of population in non metropolitan counties; those both adjacent to and not adjacent to metropolitan counties.

Four of the counties that conducted special censuses, Island, Kitsap, Stevens, and Cowlitz were adjacent to metropolitan areas. Island county, adjacent to the Seattle-Everett SMSA, showed an overall growth rate of 38.9% for the 1970-76 period. Kitsap county, which is also adjacent to the Seattle-Everett SMSA, has shown an overall growth rate of 14 percent in 1975 and will gain metropolitan status by 1980. Stevens county, adjacent to the Spokane SMSA, had an overall growth rate of 30.5 percent for the 1970-75 period; this rapid 1970-75 growth followed four decades of relative population stability or decline. Population growth in the two enumeration districts adjacent to the Spokane metropolitan area represented 23 percent of the total 1970-75 population change in the county. Nonetheless, if the population growth in the enumeration districts absorbing the suburban sprawl of Spokane were eliminated from consideration, Stevens county would have still had a 23.3 percent growth rate for the 1970-75 period; much of this additional growth was due to the construction of Northwest Alloy at Addy. The 1970-77 population growth for Ferry county is at 40.8 percent. These data indicate Pend Oreille county's estimated population growth since 1970 (32.8 percent) is well founded. Ferry, Pend Oreille, and Stevens counties are now showing substantial population growth after several decades of population loss.

Cowlitz county is adjacent to Portland SMSA which includes Clark county in Washington. Over the 1960 to 1970 decade Cowlitz had an average growth rate of approximately 2 percent per year. The 1973 census in the county showed a growth rate of 2.6 percent for the 1970-73 period, which indicates no substantial change in growth pattern since 1970.

Three counties that censused, San Juan, Adams, and Wahkiakum are not adjacent to metropolitan areas. San Juan county is a good example of population growth in a rural area. The population of San Juan county

remained relatively stable from 1910 (3,603) to 1970 (3,856) and then increased by 1,637 (43 percent) between 1970 and 1975. This growth was not fostered by any substantial change in the economic base, but by retirement population and many families returning to a back-to-nature lifestyle and establishing their homes on the islands.

Adams county showed a growth rate of 14.1 percent for the 1970-76 period, which is somewhat greater than its 1960-70 average annual growth rate of 2.1 percent. The increase in population in Adams is largely due to an improvement in the agricultural economy due to the Columbia Basin Irrigation Project.

The population of Wahkiakum county fluctuated but remained relatively stable from 1920 (3,472) to 1970 (3,592), and on the basis of the 1976 special census count of 3,682, the county has not yet experienced any remarkable growth.

[1]Direct cost means money that must be specifically appropriated from the county budget for census purposes.

CHANGES IN HOUSEHOLD SIZE
1970-1977

INTRODUCTION

The ratio of persons per household, or "household size" is one of the critical variables used in estimating city populations by the housing unit method. In this method, the estimated number of occupied housing units in a city is multiplied by a ratio of persons per occupied housing unit to obtain an estimate of household population. People in group quarters (e.g., dormitories, nursing homes) are added to household population to obtain an estimate of total population for a city. The Population Studies Division's usual household size estimation procedure is to select censusing cities that are similar to the city being estimated and obtain ratios of city household size in the local census to the city household size from the 1970 decennial census. Where possible, these ratios are for housing units by structure type. 1970 household size values for the city being estimated are then scaled to assumed estimation year values by household size change ratios estimated from the data obtained for the censusing cities.

In the nation and in Washington State, household size remained relatively stable between 1940 and 1960. Since 1960 the average number of persons per household has declined steadily. Washington had an average household size of 3.09 in 1960. By 1970 household size in the state had dropped by 3.6 percent, to 2.977. From 1960 to 1970 household size declined nationally by 5.7 percent, from 3.33 to 3.14. This decline has accelerated since 1970. National declines have approximated 1.14 percent per year since 1970[1], and local censuses in Washington indicate comparable, or greater declines are occurring here.

REASONS FOR DECLINE IN HOUSEHOLD SIZE

The most pertinent statistics relating to the current decline in household size are only available at the national level. National statistics indicate two main reasons for the rapid decline in persons

per household: the declining birth rate which has reduced average family size, and the sharp increase in one-person households. Declining birth rates are the single most important factor contributing to the drop in persons per household. Households containing families (i.e., two or more related persons living together) comprise 77 percent of all households, thus any change in family size has a substantial impact on household size.

Between 1960 and 1976, family size in the U.S. dropped from 3.67 (persons per family) to 3.39, with most of the decline occurring during the 1970-76 period.[2] Several factors are associated with the decline in family size:

1. There has been an increasing preference for smaller families. Since 1967 the average number of children expected by young wives (ages 18-24 years) has declined from 2.9 to 2.1 in 1976.[3]

2. Current divorce and separation rates are high. Divorce rates in the U.S. are the highest in national history, jumping from 2.2 (per 1,000) in 1960 to 3.5 in 1970 to 5.0 in 1976.[4]

3. Households with a female head (no husband present) increased by one-third between 1970 and 1976.[5]

4. The changing age structure of family heads has resulted in a large number of young couples who have not completed their families, and a large number of older couples where children have grown and left the home.

The second most important factor associated with the decline in persons per household is the rapid increase in one-person households. Between 1970 and 1976 one-person households increased by 38 percent.

This dramatic increase is probably due to:

1. movement of a large number of young adults out of their parental homes to establish nonfamily households of their own, and

2. an aging population coupled with the greater longevity of women resulting in an increasing number of widows.

TABLE 31

AVERAGE POPULATION PER HOUSEHOLD AND FAMILY:
1940-1976

Year	Average Population Per Household	Average Population Per Family
1976	2.89	3.39
1975	2.94	3.42
1974	2.97	3.44
1973	3.01	3.48
1972	3.06	3.53
1971	3.11	3.57
1970	3.14	3.58
1965	3.29	3.70
1960	3.33	3.67
1950	3.37	3.54
1940	3.67	3.76

In 1975 women 65 years or older headed 39% of the one-person households, and nearly eighty percent (79%) of the one-person households occupied by persons 65 and older.

The potential for further state and national declines in household size is still great as the population continues to age. There will be relatively large numbers of young adults leaving their parental homes for the next 6-10 years. These young adults are likely to continue to marry late, postpone first births, and have smaller (two children) families.

CHANGES IN HOUSEHOLD SIZE FOR MUNICIPALITIES IN WASHINGTON

Tables 32-34 show changes in household size for the 86 municipalities that censused in Washington in 1977 ranked by city size. Sixty-three of the 69 cities shown in Table 32 show a decline in household size. The largest 1970-77 declines for cities under 2,500 population in 1970 occurred in Kahlotus (33.8%), Royal City (18.8%), and Gig Harbor (17.9%).

Six of the cities that censused showed increases in household size since 1970. Several explanations for the increases are possible. First, the majority of the cities showing increases in household size were less than 1,000 in population. In these small cities and towns the inmigration of a few families--or the death of a few elderly persons in one-person households--can have an impact on household size. There also may have been error in the 1970 or special census household counts.

Table 34 shows 1970-77 changes in population per household for cities over 2,500 in 1970. All of these larger cities experienced declines in household size over the 1970-77 period. The largest declines are shown for Tukwila (26.9%), Tumwater (18.8%), Bothell (18.6%), and Oak Harbor (18.3%).

In the past, declines in household size have generally been greater for households in structures containing two or more housing units than for one unit structures. For five of the seventeen cities shown in Table 23, household size declines were greater in one unit structures than for housing structures with two or more units. Again, some explanations are possible. Kennewick, for example, has experienced a rapid growth of population for the last four years and the housing market may be considered "tight". In such situations, many families which would ordinarily occupy single family residences are temporarily residing in multi unit structures.Ephrata may show an increase in average household size for structures with two or more units because of an influx of migrant labor population, which tend to have larger families. Explanation for other cities are not so obvious, but may represent a trend

TABLE 32

HOUSING UNIT DATA AND CHANGE IN HOUSEHOLD SIZE
FOR CITIES UNDER 2,500 POPULATION IN 1970†
1970 - 1977

City	Population	Household Population		Total Housing Units		Occupied Housing Units		Population Per Household		Percent Change in Pop. Per Household
	1977	1970	1977	1970	1977	1970	1977	1970	1977	1977
Bonney Lake	4,380	2,313	4,380	712	1,524	661	1,438	3.499	3.046	-12.95
Poulsbo	2,834	1,694	2,693	672	1,205	644	1,150	2.630	2.342	-10.95
Elma	2,452	1,997	2,230	763	1,014	715	964	2.793	2.313	-17.19
Battleground	2,429	1,288	2,277	458	875	450	829	2.862	2.747	-4.02
Okanogan	2,250	1,912	2,132	745	880	694	854	2.755	2.496	-9.40
Woodland	2,182	1,622	2,122	585	779	561	728	2.891	2.915	0.83
West Richland	2,024	1,107	2,024	418	834	371	763	2.984	2.653	-11.09
Gig Harbor	2,001	1,657	1,996	648	968	599	879	2.766	2.271	-17.90
Castle Rock	1,992	1,647	1,992	627	772	589	735	2.796	2.710	-3.08
Winslow	1,954	1,461	1,867	582	866	545	816	2.681	2.288	-14.66
Connell	1,904	1,161	1,904	386	637	362	607	3.207	3.137	-2.18
Millwood	1,713	1,768	1,713	643	685	616	661	2.870	2.592	-9.69
Bridgeport	1,623	949	1,623	417	752	337	676	2.816	2.401	-14.74
Warden	1,592	1,254	1,592	363	467	340	446	3.688	3.570	-3.20
Benton City	1,583	1,061	1,583	369	559	343	540	3.093	2.931	-5.24
Coulee Dam	1,517	1,425	1,479	536	574	480	545	2.969	2.714	-8.59
Brewster	1,471	996	1,402	422	630	392	583	2.541	2.405	-5.35
Davenport	1,471	1,329	1,395	550	657	511	593	2.601	2.352	-9.57
Stanwood	1,463	1,215	1,309	502	557	468	529	2.596	2.474	-4.70
Ocean Shores	1,280[1]	918	1,280	678	919	391	529	2.348	2.420	3.07
Lake Stevens	1,208	1,283	1,208	381	424	368	395	3.486	3.058	-12.28
Tenino	1,179	962	1,179	342	450	315	415	3.054	2.841	-6.97
Mabton	1,108	926	1,108	259	321	244	302	3.795	3.669	-3.32
Yarrow Point	1,069	1,103	1,069	329	360	320	354	3.447	3.020	-12.39
Republic	1,053	856	1,050	328	405	291	378	2.942	2.778	-5.57
Darrington	1,031	1,094	1,031	387	412	348	381	3.144	2.706	-13.93
Friday Harbor	1,024	761	970	352	490	309	435	2.463	2.230	-9.46
Stevenson	963	916	957	320	361	291	342	3.148	2.798	-11.12
Ridgefield	952	962	909	345	370	325	337	2.960	2.697	-8.89
Cowlitz	924	673	904	308	443	256	391	2.629	2.312	-12.06
Asotin	893	637	893	242	331	215	314	2.963	2.844	-4.02
Woodway	822	861	810	234	264	228	250	3.776	3.240	-14.19
Twisp	818	756	818	312	359	282	337	2.681	2.427	-9.47
Ranier	763	382	763	120	248	115	226	3.322	3.376	1.63
Kittitas	753	637	753	226	290	211	266	3.019	2.831	-6.23
Royal City	732	477	732	138	255	126	238	3.786	3.076	-18.75
Bingen	716	671	716	308	324	278	309	2.414	2.317	-4.02
Sumas	708	713	708	239	290	222	263	3.212	2.692	-16.19
Toledo	648	654	648	229	255	215	241	3.042	2.689	-11.60
Carnation	639	530	639	215	258	196	247	2.704	2.587	-4.33
Langley	611	546	611	302	336	242	293	2.256	2.085	-7.58
Coulee City	602	558	592	255	277	215	248	2.595	2.387	-8.02
Pateros	589	472	589	181	232	162	222	2.914	2.653	-8.96
Ilwaco	577	506	577	241	295	213	250	2.376	2.308	-2.86
Saint John	577	575	577	219	245	209	234	2.751	2.466	-10.36
Napavine	537	377	537	139	198	133	186	2.835	2.887	1.83
Tieton	517	409	517	185	210	163	201	2.509	2.572	2.51
Yacolt	511	488	511	164	181	153	174	3.190	2.937	-7.93
Fairfield	499	416	408	164	181	153	168	2.719	2.429	-10.67
Mossyrock	466	409	466	158	203	145	184	2.821	2.533	-10.21
Hunts Point	464	578	464	184	171	183	164	3.158	2.829	-10.42
Northport	447	423	447	173	186	137	154	3.088	2.903	-5.99
South Cle Elum	408	374	408	139	168	124	158	3.016	2.582	-14.39
Entiat	406	355	406	137	147	111	145	3.198	2.800	-12.45
Roy	392	381	392	127	153	119	141	3.202	2.780	-13.18
Lacrosse	386	426	386	166	174	148	159	2.878	2.428	-15.64
Rock Island	370	191	370	62	117	57	113	3.351	3.274	-2.30
Beaux Arts Village	355	475	355	139	112	138	111	3.442	3.198	-7.09
Endicott	350	333	350	156	164	146	147	2.281	2.381	4.38
North Bonneville	327	444	327	183	190	165	141	2.691	2.319	-13.82
Lyman	313	324	313	124	124	117	118	2.769	2.65	-4.19
Colton	295	279	295	100	113	94	107	2.968	2.757	-7.11
Wilkeson	272	317	272	127	126	116	112	2.733	2.429	-11.12
Prescott	267	242	267	100	144	85	103	2.847	2.592	-8.96
Mattawa	255	180	255	73	94	55	87	3.273	2.931	-10.45
Hamilton	224	195	224	72	97	66	89	2.955	2.517	-14.82
Kahlotus	221	307	221	92	104	81	88	3.790	2.511	-33.75
Starbuck	217	216	212	104	93	74	84	2.919	2.524	-13.53
Wilson Creek	212	184	212	78	91	66	77	2.788	2.753	-1.26

†Based on census data, 1970 and 1977.

[1]Ocean Shores incorporated in 1971. Data shown for 1970 is actually data from the 1971 census for incorporation.

TABLE 33

HOUSING UNIT DATA FOR CITIES OVER 2,500 IN 1970†

Household Population	Total Population 1970	Total Population 1977	1970 Total Units	1970 1 Unit	1970 2 or More Units	1970 M.H. Trailers*	1977 Total Units	1977 1 Unit	1977 2 or More Units	1977 M.H. Trailers
Kennewick	15,212	23,638	15,061	12,973	1,657	431	23,161	15,426	5,924	1,811
Auburn	21,653	23,055	21,566	26,350	3,942	1,274	22,210	14,452	6,053	1,705
Redmond	11,020	17,757	11,021	9,476	1,362	183	17,480	14,098	2,772	610
Lacey[1]	9,696	11,807	9,277	7,970	1,143	164	10,492	7,996	2,221	275
Oak Harbor[2]	9,167	11,618	9,022	7,251	1,657	114	7,174	5,570	992	612
Mount Vernon	8,804	11,021	8,383	7,185	995	203	10,765	8,672	1,644	449
Bothell	4,979	6,295	4,874	3,956	616	302	6,151	4,577	726	848
Tumwater	5,373	5,960	5,238	4,380	720	138	5,845	4,314	1,214	317
Ephrata	5,255	5,320	5,222	4,726	388	108	5,212	4,364	593	255
Issaquah	4,341	5,078	4,323	3,357	761	205	4,907	3,723	1,015	169
Enumclaw	4,703	4,710	4,596	4,248	346	2	4,570	3,884	561	125
Othello	4,172	4,570	4,016	3,152	666	198	4,520	3,428	875	217
Omak[3]	4,164	4,126	4,153	--	--	--	4,125	3,547	390	188
Burlington	3,138	3,368	3,138	2,901	217	20	3,301	2,857	385	59
Raymond[3]	3,126	3,087	3,039	--	--	--	3,015	2,553	390	72
Clyde Hill	3,150	3,073	3,016	3,016	--	--	3,073	3,073	--	--
Tukwila[3]	3,509	3,037	3,476	--	--	--	2,990	1,492	1,495	3

Total Housing Units	1970 Total Units	1970 1 Unit	1970 2 or More Units	1970 M.H. Trailers*	1977 Total Units	1977 1 Unit	1977 2 or More Units	1977 M.H. Trailers
Kennewick	5,132	3,980	947	205	9,330	5,060	3,165	1,105
Auburn	8,189	5,061	2,683	445	9,042	4,874	3,280	888
Redmond	3,651	2,711	852	88	6,482	4,465	1,694	323
Lacey[1]	3,278	2,456	736	86	4,136	2,661	1,310	165
Oak Harbor[2]	2,731	1,951	727	53	2,650	1,775	579	296
Mount Vernon	3,251	2,546	602	103	4,489	3,204	1,064	221
Bothell	1,562	1,093	317	152	2,367	1,451	445	471
Tumwater	2,113	1,358	672	83	2,623	1,604	805	214
Ephrata	1,925	1,613	279	33	2,106	1,631	349	126
Issaquah	1,486	1,012	397	77	1,894	1,207	587	100
Enumclaw	1,666	1,429	236	1	1,918	1,462	377	79
Othello	1,211	837	295	79	1,488	1,014	382	92
Omak	1,483	1,270	189	24	1,619	1,314	228	77
Burlington	1,159	981	162	16	1,333	1,082	215	36
Raymond	1,172	959	208	5	1,250	953	258	39
Clyde Hill	788	784	4	--	934	934	--	--
Tukwila	1,669	607	956	106	1,686	574	1,111	1

Occupied Housing Units	1970 Total Units	1970 1 Unit	1970 2 or More Units	1970 M.H. Trailers	1977 Total Units	1977 1 Unit	1977 2 or More Units	1977 M.H. Trailers
Kennewick	4,849	3,843	812	74	8,524	4,781	2,669	1,704
Auburn	7,135	4,736	1,824	575	8,623	4,726	3,034	863
Redmond	3,268	2,610	570	88	6,095	4,219	1,563	313
Lacey[1]	3,031	2,304	651	76	3,866	2,540	1,169	157
Oak Harbor[2]	2,566	1,914	599	53	2,496	1,712	515	269
Mount Vernon	3,083	2,416	564	103	4,291	3,073	1,012	206
Bothell	1,475	1,050	273	152	2,286	1,401	430	455
Tumwater	1,786	1,329	374	83	2,453	1,525	737	191
Ephrata	1,784	1,525	226	33	2,062	1,612	329	121
Issaquah	1,365	988	300	77	1,827	1,164	569	94
Enumclaw	1,583	1,379	203	1	1,852	1,421	355	76
Othello	1,141	803	263	75	1,459	992	380	87
Omak[3]	1,400	--	--	--	1,584	1,285	222	77
Burlington	1,114	964	134	16	1,282	1,047	202	33
Raymond[3]	1,109	--	--	--	1,186	905	242	39
Clyde Hill	771	771	--	--	908	908	--	--
Tukwila[3]	1,344	--	--	--	1,581	552	1,028	1

†Based on census data, 1970 and 1977.

[1]Total housing units in 1970 includes Panorama City; excludes Panorama City in 1977.
[2]Total housing units in 1970 includes naval housing; excludes naval housing in 1977.
[3]Occupied housing units data from 1970 census not available by structure type.

*In the 1970 Census, only occupied mobile homes and trailers were counted.

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TABLE 34

CHANGE IN HOUSEHOLD SIZE FOR CITIES OVER 2,500 IN 1970†

Area	POPULATION PER HOUSEHOLD								CHANGE IN POPULATION PER HOUSEHOLD 1970 - 1977			
	1970				1977							
	Total Units	1 Unit	2 or More Units	M.H. Trailer	Total Units	1 Unit	2 or More Units	M.H. Trailer	Total Units	1 Unit	2 or More Units	M.H. Trailer
Kennewick	3.106	3.376	2.041	2.222	2.717	3.227	2.220	1.686	-12.52	-4.41	8.77	-24.12
Auburn	3.023	3.452	2.161	2.216	2.576	3.058	1.995	1.976	-14.79	-11.41	-7.68	-10.83
Redmond	3.372	3.631	2.389	2.080	2.868	3.342	1.774	1.949	-14.95	-7.96	-25.74	-6.30
Lacey[1]	3.061	3.459	1.756	2.158	2.714	3.148	1.900	1.752	-11.34	-8.99	8.20	-18.81
Oak Harbor[2]	3.516	3.789	2.766	2.151	2.874	3.253	1.926	2.275	-18.26	-14.15	-30.37	5.76
Mount Vernon	2.719	2.974	1.764	1.971	2.509	2.822	1.625	2.180	-7.72	-5.11	-7.88	10.60
Bothell	3.304	3.768	2.256	1.987	2.691	3.267	1.688	1.864	-18.55	-13.30	-25.18	-6.19
Tumwater	2.933	3.296	1.925	1.663	2.383	2.829	1.647	1.660	-18.75	-14.17	-14.44	0.18
Ephrata	2.927	3.099	1.717	3.273	2.528	2.707	1.802	2.107	-13.63	-12.65	+4.95	-35.62
Issaquah	3.167	3.398	2.537	2.662	2.686	3.198	1.784	1.798	-15.19	-5.89	-29.68	-32.46
Enumclaw	2.903	3.080	1.704	2.000	2.468	2.732	1.580	1.645	-14.98	-11.27	-7.28	-17.75
Othello	3.520	3.925	2.532	2.640	3.098	3.456	2.303	2.494	-11.99	-11.95	-9.04	-5.53
Omak[3]	2.966	--	--	--	2.604	2.760	1.757	2.442	-12.20	--	--	--
Burlington	2.817	3.009	1.619	1.250	2.575	2.729	1.906	1.788	-8.59	-9.31	17.73	43.04
Raymond[3]	2.740	--	--	*--	2.542	2.821	1.612	1.846	-7.23	--	--	--
Clyde Hill	3.912	3.912	0.000	0.000	3.384	3.384	0.000	0.000	-13.50	-13.50	0.00	0.00
Tukwila[3]	2.586	--	--	--	1.891	2.703	1.454	3.000	-26.88	--	--	--

†Based on census data 1970 and 1977.

[1]Total housing units in 1970 includes Panorama City; excludes Panorama City in 1977.
[2]Total housing units in 1970 includes naval housing; excludes naval housing in 1977.
[3]Occupied housing units data from 1970 census not available by structure type.

*In the 1970 Census, only occupied mobile homes and trailers were counted.

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toward apartment living for small families. This may be particularly true for newly constructed apartments with playground areas. Several of the cities showing increases in persons per household for two or more unit structures such as Kennewick, Ephrata, Lacey, and Burlington have had a lot of new construction in two or more unit structures since 1970.

Consistent with national trends, continued declines in population per household are expected to continue in Washington. These declines must be carefully assessed and incorporated in the housing unit method for accurate estimates for municipalities or other areas. The tables presented in this report may be of use to municipal officials of non-censusing cities who wish to assess likely household size changes in their own cities and towns.

FOOTNOTES

[1]U.S. Bureau of the Census, Current Population Reports, Series P-20, No. 296, P. 4.

[2]U.S. Bureau of the Census, Current Population Reports, Series P-20, No. 296, P. 4.

[3]U.S. Bureau of the Census, Current Population Reports, Series P-20, No. 308, P. 2.

[4]U.S. Bureau of the Census, Current Population Reports, Series P-20, No. 307, P. 9.

[5]Ibid., P. 10.

[6]Ibid., P. 16.

[7]U.S. Bureau of the Census, Current Population Reports, Series P-20, No. 296, P. 4.

[8]U.S. Bureau of the Census, Current Population Reports, Series P-20, No. 291, P. 3.